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Three New
MAY-FLOWERING
Tulips

See Special Offer page 10

John Ruskin

Billietiana

Illuminator

Retroflexa

VAUGHAN'S SEED STORE

NEW YORK
43 BARCLAY ST.

31-33 W. RANDOLPH ST.
CHICAGO

Spring Flowering Bulbs

For Garden, House or Conservatory

For Fall Planting

DARWIN
TULIP
Massachusetts

Vaughan's Tulips Growing in Armory Gardens, Minneapolis

REMEMBER
These Flower Bulbs and Roots Insist on AUNTUMN PLANTINGS

GARDEN LOVERS seem to find it difficult to realize the necessity for *Fall Planting* of all the **Hardy Bulbs,** and **Perennial Plants,** as well as some **Shrubs.**

Because these beautiful flowers can only be planted in the fall—and will never succeed if planted at other seasons, we print this Autumn edition of our Book that our thousands of flower loving customers may make the most of this wonderful range of additions to their gardens.

Tulips and Daffodils, Dutch, French and British, make the greatest bid for popular favor.

Our own traveler for the third season is now on his annual trip to France, Holland and England and we expect to have this season a higher grade of picked bulbs and roots than ever before, for the reason that importations to Great Britain of Dutch bulbs have at this writing been prohibited.

When ordering, please follow these Instructions and Suggestions

When to Order Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheets accompanying this catalog. One order sheet is for **seeds, bulbs** and **sundries** (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for **plants, shrubs** and **trees** only.

Don't put **plants and trees** on the same order sheet with **bulbs and seeds.**

Important Write **your name, postoffice,** state and **express office** plainly with black ink, on every order, and every time you write to us. **Give plain express, mail or freight directions;** where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the **quantity** required of **bulbs, plants or trees,** mentioning **size** where different sizes are offered, and carry out the **price** of each item.

Keep a Copy of Your Order Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with goods or notice sent.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form) odorless fertilizers and requisites, may be forwarded by **domestic parcel post** within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits.

Time of Sending Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: **September 1—Lilium Candidum,** Roman Hyacinths, **Lilium Harrisii,** Freesias, Peonies. **September 15**—Hyacinths, **Daffodils** and **Narcissi, Tulips** and other Dutch bulbs, Callas. **October 20**—Full supply of Lilies, Chinese Narcissus, Dahlias and Gladiolus. **November 10.**—Spiraea and Lily of the Valley, new crop Tuberoses. **Perennial Plants, September 15** until frost; **Trees** and **Shrubs** and all nursery stock, **October 1st** until frost.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We wish it understood that our stocks are sold under the following general non-warranty:

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods. **VAUGHAN'S SEED STORE, Incorporated.**

PARCEL POST **Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.**

☞ **Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CHICAGO.**

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
Fourth Zone within 300 to 600 miles	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c.); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

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VAUGHAN'S SEED STORE

CHICAGO
NEW YORK

AUG 21 1916
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BULBS For Natural Effects

For planting in woodlands, meadows and along streams, these fall-planted bulbs are coming into favor more rapidly every year as their merit becomes better known. These bulbs, especially daffodils when planted in clumps in a sheltered, sunny spot, will produce a mass of color in the early spring, when the rest of nature is asleep. When once planted, they remain for years, the clumps increasing in size and vigor.

Daffodils in long irregular lines along streams, or by the edge of the woodland are extremely effective, but if several varieties are planted they should be kept separate, so that each group will give its fullest display, as all varieties do not flower at exactly the same time. Nearly all bulbs for naturalizing are quite inexpensive, and the annual benefit derived from them for a small outlay should tempt everybody to beautify their home surroundings.

Below we give some suggestions for planting.

For descriptions of these Bulbs we refer you to pages two to twenty-three of this Catalogue.

(The proper depths at which various bulbs should be planted are given on next page.)

SEP 1 1916

For Meadows and Along Streams

	Per 100	Per 1000
Crocus, Named Varieties	$1.00	$ 8.00
Crocus, Mixed Colors	.65	5.50
Narcissus, Single Poeticus	1.00	8.00
Narcissus, Barri Conspicuus	1.15	9.00
Narcissus, Incomparabilis Autocrat	1.80	16.00
Narcissus, Incomparabilis Stella	1.25	10.00
Narcissus, Incomparabilis Cynosure	1.15	9.00
Narcissus, Leedsii, Mrs. Langtry	1.40	11.50
Narcissus, Large Trumpet Golden Spur	2.00	18.00
Narcissus, Large Trumpet Princeps Maximus	1.25	10.00
Narcissus, Large Trumpet Empress (Bicolor)	2.00	18.00
Narcissus, Double Von Sion, Fancy	2.00	18.00
Tulips, May Flowering, Vaughan's Special Mixed	1.50	12.00
Tulips, Darwin, Vaughan's Special Mixed	1.60	14.00

For Planting on the Lawn

Bulbs may be planted in clumps or lines on the lawn, adding a tone of brightness to what might be otherwise a barren patch. All being early flowers, they are quite over before the grass will require first mowing, and will not interfere with this work.

	Per 100	Per 1000
Crocus, Named Varieties	$1.00	$ 8.00
Crocus, Mixed Colors	.65	5.50
Chionodoxa Lucillae	1.25	10.00
Chionodoxa Sardensis	1.50	12.00
Grape Hyacinths, White	1.25	10.00
Grape Hyacinths, Blue	1.15	9.00
Grape Hyacinths, Feathered	1.50	12.00
Narcissus, Poeticus Ornatus	1.00	8.00
Narcissus, Barri Conspicuus	1.15	9.00
Narcissus, Golden Spur	2.00	18.00
Narcissus, Princeps Maximus	1.25	10.00
Narcissus, Double Von Sion (Fancy)	2.00	18.00
Scilla Siberica, Select	1.00	8.00
Scilla Campanulata, White	1.00	8.00
Scilla Campanulata, Blue	1.15	9.00
Scilla Campanulata, Rose	1.15	9.00
Snowdrops, Single	1.25	10.00
Snowdrops, Double	2.00	15.00

The Book "Vaughan's Flower Bulbs," **25c** or free with every order of **$1.00** and over.

For Woodland Planting

	Per 100	Per 1000
Crocus, Named Varieties	$1.00	$ 8.00
Crocus, Mixed Colors	.65	5.50
Eranthis Hyemalis (Winter Aconite)	1 00	8.00
Lily of the Valley (clumps) per doz $3.00	22.00	
Lilium Candidum (First Size)	7.00	65.00
Narcissus, Princeps Maximus	1.25	10.00
Narcissus, Empress	2.00	18.00
Narcissus, Cynosure	1.15	9.00
Narcissus, Sir Watkin	2.00	17.00
Narcissus, Barri Conspicuus	1.15	9.00
Narcissus, Leedsii, Mrs. Langtry	1.40	11.50
Scilla Siberica, Select	1.00	8.00
Scilla Campanulata, White	1.00	8.00
Scilla Campanulata, Blue	1.15	9.00
Scilla Campanulata, Rose	1.15	9.00
Trillium Grandiflorum	4.00	35.00

Tulips for the Perennial Border

We strongly recommend the planting of **Darwin and Cottage Tulips** in clumps and masses among hardy plants, All are perfectly hardy, and there is nothing to equal them for color and grace, standing boldly over the green foliage of the growing perennial plants. In our collections of these, will be found every imaginable shade, and for cutting they are invaluable, particularly the **Cottage Varieties** as most of them are deliciously scented.

Planting in Grass

In planting bulbs in grass a circular hole about 5 or 6 inches deep should be made with a bulb planter or small trowel. The former is preferable, and description and price of same will be found on next page. If the soil is poor, some prepared compost containing a fair proportion of bone meal should be placed under and over the bulb, and the sod replaced on top.

Photographed and Copyrighted by Library of Congress under Act of Mch. 4, 1909

Vaughan's "Model" Tulip and Hyacinth Beds

IN order to assist those of our customers who are not familiar with the arranging of beds, we offer the following collections. We, of course, take special care to select only such varieties as will flower at the same time and be of the proper height. Many brilliant color effects can be produced from Tulips that are impossible to secure with other plants. We shall be pleased to advise our customers with regard to other shapes and designs of beds that they may have, advising number of bulbs required. Prices quoted are for shipment by express at purchaser's expense.

In the accompanying photos the **Primroses** at edge of beds are planted in the early Spring as the bulbs come through.

The **White Arabis** and **Forget-me-nots** in between are planted in the Fall with the bulbs.

HYACINTHS—Bulbs should be Planted 6 Inches Apart

No. 1. Round Bed. 5 ft. Diameter. Bulbs 6 in. apart; 100 Bulbs in 4 choice colors.
1st Size Named Hyacinths.....$7.00
Fancy Bedding Hyacinths..... 3.50
Medium Bedding Hyacinths..... 3.00

No. 2. Square Bed. 6 ft. across Bulbs 6 in. apart; 200 Bulbs in 3 choice colors.
1st Size Named Hyacinths.....$14.00
Fancy Bedding Hyacinths..... 7.00
Medium Bedding Hyacinths..... 6.00

No. 3. Oblong Bed. 6 ft. x 3 ft. Bulbs, 6 in. apart; 60 Bulbs in 2 colors.
1st Size Named Hyacinths.....$4.20
Fancy Bedding Hyacinths..... 2.10
Medium Bedding Hyacinths..... 1.80

TULIPS—Round Beds, 6 Feet in Diameter, Bulbs Planted 4 Inches Apart

No. 1. 150 **Belle Alliance** (scarlet) center, edged with two rows of 120 **Chrysolora** (yellow) on the outside.$4.25

No. 2. 150 **Cottage Maid** (pink) center, edged with two rows of 120 **Cottage Boy** (orange red) on the outside..... 4.50

No. 3. 150 **Keizerkroon** (red, yellow bordered) on the inside, edged with two rows of 120 **Chrysolora** (yellow) on the outside.....$4.75

No. 4. 50 **Chrysolora** (yellow) center, 100 **Artus** (red) inner two rows, 120 **La Reine** (white) outside two rows. 3.50

No. 5. 150 **Gesneriana Spathulata** (scarlet) on the inside, edged with two rows of 120 **Gesneriana Lutea** (yellow).....$4.75

No. 6. 150 Darwin Tulips **Pride of Haarlem** (scarlet) on the inside, edged with 120 **Clara Butt** (pink).. 5.00

(For other sizes see table below.)

The following suggestions of color combinations of late Tulips will be found to produce pleasing beds:

Darwin Varieties

The Sultan, purplish black (center)
Pride of Haarlem, carmine, and blue, (center)
Baronne de la Tonnaye, Silvery rose (center)
Suzon, pink (outside)
White Queen, pinkish white (outside)
Velvet King, violet purple (outside)

Cottage Varieties

Mrs. Moon, yellow (center)
Inglescombe Scarlet, (center)
La Merveille, flame (center)
Macrospila, crimson (outside)
The Fawn, rosy white (outside)
Gesneriana Lutea Pallida primrose (outside)

Quantities for larger or smaller beds can be reckoned hy reference to following table;

Number of Bulbs required for Circular Beds

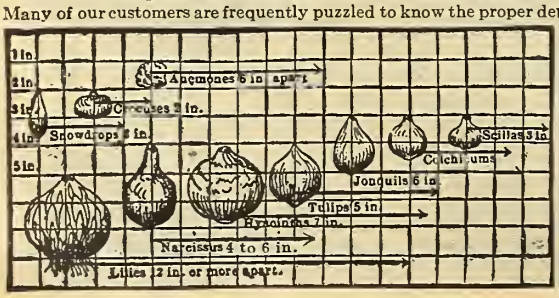
Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 feet	127	95	37	...
4 feet	217	127	61	37
5 feet	331	225	91	69
6 feet	469	271	127	78
7 feet	631	410	169	96
8 feet	817	469	217	127
9 feet	1027	650	271	156
10 feet	1261	721	331	190
11 feet	1519	940	397	240
12 feet	1801	1027	469	271

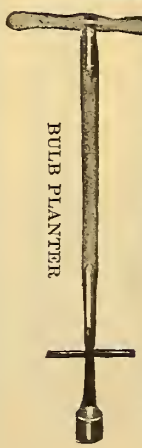
Fertilizers for Bulbs

Successful growers of such Bulbs as Tulips, Daffodils, Hyacinths, etc., have found by an expensive and disappointing experience that the ammonia of fresh stable manure is absolutely fatal to bulbs. If stable manure is used it should be at least 6 or 8 months old, and dug in well underneath the bulbs. **The safest fertilizer** for all bulbs is **Bone Meal,** applied at the rate of 500 lbs. to the acre or 2 oz. to a square yard.

Depth at Which Bulbs Should be Planted

Many of our customers are frequently puzzled to know the proper depth and distance apart at which hulhs should heplanted. The accompanying diagram, reproduced from **Popular Gardening,** conveys the information much more clearly and briefly than we could describe it. The chart will bear careful study.



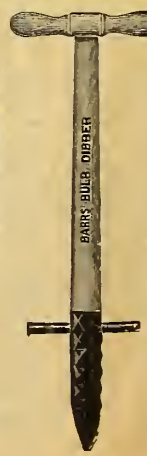


Bulb Planter

Specially designed for planting Daffodils and other bulbs in grass. This tool cuts and lifts a clean circular piece of turf which is released from the cup when the second hole is made, and lies ready at hand to fill in the holes when the bulhs have been put in, it being only necessary to remove a little of the soil from the hottom of the sod. **A time must be chosen for planting when the ground has become softened after early autumn rains** and not when in a hard and baked condition, as it is then impossible to use this or indeed any other tool with success. Each (in Chicago) **$3.75;** (in New York) **$3.50.**

Bulb Dibber

Specially designed for dibbling bulbs into borders, etc.; steel shod, with strong iron thread and cross wooden handle; a good strong heavy tool, weight ahout 6¾ lbs., length 36 inches over all. Each (in Chicago) **$3.75;** (in New York) **$3.50.**



GERTRUDE

LA GRANDESSE

Vaughan's Exhibition Hyacinths MONSTER TOP ROOTS

A number of our customers who do fancy Hyacinth growing, always require some of the largest and finest bulbs that can be obtained. For this purpose we have arranged with our Holland growers to get the very largest and most perfect, solid, sound bulbs. They can be depended upon to give extra large and well developed spikes of bloom, fit for exhibition and special ornament. We offer these in single varieties only. **PRICE—Our selection of varieties: Each, 20 cts.; per dozen, $2.00; per 100, $15.00.**

Named Dutch Hyacinths SINGLE VARIETIES FIRST SIZE BULBS

For Pots, Ornamental Bowls, Glasses, Etc.

HYACINTHS IN POTS.—It is important in the pot culture of Hyacinths to have rich, light soil. If the bulbs are to be potted singly, 5-inch pots are the proper size. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss, which will keep the soil from clogging the drainage thus provided. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering and set away in a cool place, covering them with about 3 to 5 inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as required.

HYACINTHS IN GLASSES.—The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. If the water in the glass becomes foul or diminished, replace it with fresh water.

GARDEN CULTURE.—Bulbs may be planted from September to December, in any good, well drained garden soil, which has previously been well enriched and dug from 12 to 18 inches. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the bed with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

PRICE, EACH, INCLUDES POSTAGE. Mailing weight, dozen 3 lbs. ADD POSTAGE for each dozen as per rates on inside front cover.

NOTE.—Numbers preceding the names indicate the time of flowering: the 1's flowering together and are early, while the 4's are latest.

Single Red and Rose

	Each	Per Doz.	Per 100
4 **Cardinal Wiseman,** dark pink	$0.10	$1.00	$7.00
1 **Garibaldi,** brilliant red, early	.10	1.00	7.00
1 **General Pelissier,** deep scarlet	.10	1.00	7.00
2 **General de Wet,** light pink	.10	1.00	7.00
3 **Gertrude,** rose pink, medium early: one of best pot varieties	.08	.85	6.50
2 **Gigantea,** light pink bells, compact spike: medium early	.08	.85	6.50
3 **La Victoria,** brilliant dark pink	.11	1.15	8.00
1 **Lady Derby,** delicate pink, early forcer	.11	1.15	8.00
2 **Moreno,** bright pink, broad spike, early	.10	1.00	7.00
3 **Robert Steiger,** deep crimson, medium early, fine bedder	.08	.85	6.50
3 **Roi des Belges,** bright scarlet, early	.10	1.00	7.00
4 **Rosea Maxima,** rose, large truss, late	.11	1.15	8.00
3 **Rose a Merveille,** pink	.10	1.00	7.00

Single Pure White and Blush

2 **Albertine,** pure white, early	.08	.85	6.50
2 **Angenis Christina,** pure white, early	.08	.85	6.50
2 **Blancheur a Merveille,** pure white	.10	1.00	7.00
2 **General Vetter,** blush white	.10	1.00	7.00
2 **Grandeur a Merveille,** blush, late	.08	.85	6.50
3 **La Grandesse,** pure white, large bells	.11	1.15	8.00
2 **L'Innocence,** pure white	.08	.85	6.50

Single Pure White and Blush (Continued)

	Each	Per Doz.	Per 100
3 **Madam Van der Hoop,** large spike, late	$0.10	$1.00	$7.00
1 **Mont Blanc,** pure white, large spike, early	.12	1.25	9.00
2 **Pavilion Blanc,** pure white	.10	1.00	7.00
3 **Queen of England,** pure white, fine spike	.10	1.00	7.00

Single Blue and Purple

2 **Captain Boyton,** sky blue, large spike	.11	1.15	8.00
2 **Competitor,** light blue	.11	1.15	8.00
3 **Enchantress,** porcelain blue	.11	1.15	8.00
2 **Grand Maitre,** dark porcelain, medium early	.10	1.00	7.00
2 **Grand Lilac,** early, very handsome	.11	1.15	8.00
2 **Johan,** light blue, large bell	.10	1.00	7.00
4 **King of the Blues,** dark, medium only	.10	1.00	7.00
2 **Marie,** dark, large spike, medium early	.10	1.00	7.00
2 **Potgieter,** light blue	.10	1.00	7.00
4 **Queen of the Blues,** light, fine spike	.10	1.00	7.00
1 **Regulus,** light blue, dark striped, early	.10	1.00	7.00
2 **Schotel,** light blue, large spike	.10	1.00	7.00

Single Yellow and Orange

2 **Buff Beauty,** orange yellow	.11	1.15	8.00
3 **Ida,** pure yellow, early	.11	1.15	8.00
4 **King of the Yellows,** medium early	.11	1.15	8.00
4 **McMahon,** pure yellow	.11	1.15	8.00
3 **Yellow Hammer**	.11	1.15	8.00

250 bulbs of one kind supplied at 1,000 rate, 25 at 100 rate, 6 at dozen rate.

Vaughan's Selected

Double Hyacinths

First Size Dutch Bulbs

While grown by many, Double Hyacinths do not produce as large a spike as the single sorts, especially when grown in water, yet they are exceedingly beautiful and deserve a place in every garden and home. The varieties we offer below are known to us by actual tests at our trial grounds to be the most satisfactory kinds.

Mailing weight, dozen, 3 lbs.; the price each includes postage.

Double Red and Rose

	Each	Per Doz.	Per 100
Bouquet Royal. Pink; fine spike, early	$0.10	$1.00	$7.00
Bouquet Tendre. Carmine; medium early	.10	1.00	7.00
Chestnut. Bright rose	.11	1.15	8.00
Princess Louise. Deep Red	.10	1.00	7.00
President Roosevelt. Very lively pink; large spike	.11	1.15	8.00

Double Pure White and Blush

Isabella. White, suffused with rosy blush	.11	1.15	8.00
La Grandesse. Splendid snow-white, the best double white	.12	1.25	9.00
La Tour d'Auvergne. Fine early, pure white	.10	1.00	7.00
Prince Metternich. Blush white	.10	1.00	7.00

Double Blue, Lavender and Purple

Blocksberg. Bright porcelain-blue, shaded dark blue	.11	1.15	8.00
Delicate. Porcelain blue	.11	1.15	8.00
Garrick. Clear bright blue: large spike	.11	1.15	8.00
General Kohler. Best double blue; very fine for pots	.11	1.15	8.00
Prince Saxe-Weimar. Semi-double; late; dark blue	.10	1.00	7.00

Double Yellow

Goethe. Orange-yellow	.12	1.25	9.00
Sunflower. Splendid deep buff-yellow	.12	1.25	9.00

SPIKE OF DOUBLE HYACINTH

ROMAN HYACINTHS—Grown in Fibre

Peachdale, R. I.

"It may please you to know that the bulbs ordered from your house last fall forced in perfect form and were very satisfactory."

C. O. CHILDS,
Manager for Mrs. Rowland Hazard.

French Roman Hyacinths

These beautiful Hyacinths are indispensable to the florist in his fall and winter cut-flower work, while to the amateur they are among the most easily cultivated and most satisfactory of flowering bulbs. The white variety, if planted early in September and slowly forced, will bloom in November. The others require from two to three weeks longer. When grown in pots and pans, they are most effective planted in groups of six or more in each. They are not hardy, and will not stand outdoors.

Mailing weight, dozen, 2 lbs.; the price each includes postage.

	Each	Per Doz.	Per 100	Per 1000
White, First Size	$0.05	$0.45	$3.25	$27.00
White, Select Size	.07	.70	4.50	40.00
White, Mammoth Size	.09	.85	6.00	50.00
Blue	.06	.60	4.00	35.00
Light Pink	.06	.60	4.00	35.00
Dark Pink	.06	.60	4.00	35.00
White Italian. Red skinned	.06	.60	4.00	35.00

Vaughan's Rainbow Collections

Single Named Hyacinths for Window Garden.

We have selected from the list of varieties on page 3 a few of the best of each color suitable for culture in pots and glasses, and offer them in collections at a reduction from the regular price. The following are the varieties;

Lady Derby, Pink.
Roi des Belges, Red.
L'Innocence, White.
Grand Maitre, Light Blue.
King of the Blues, Dark Blue.
King of the Yellows, Yellow.

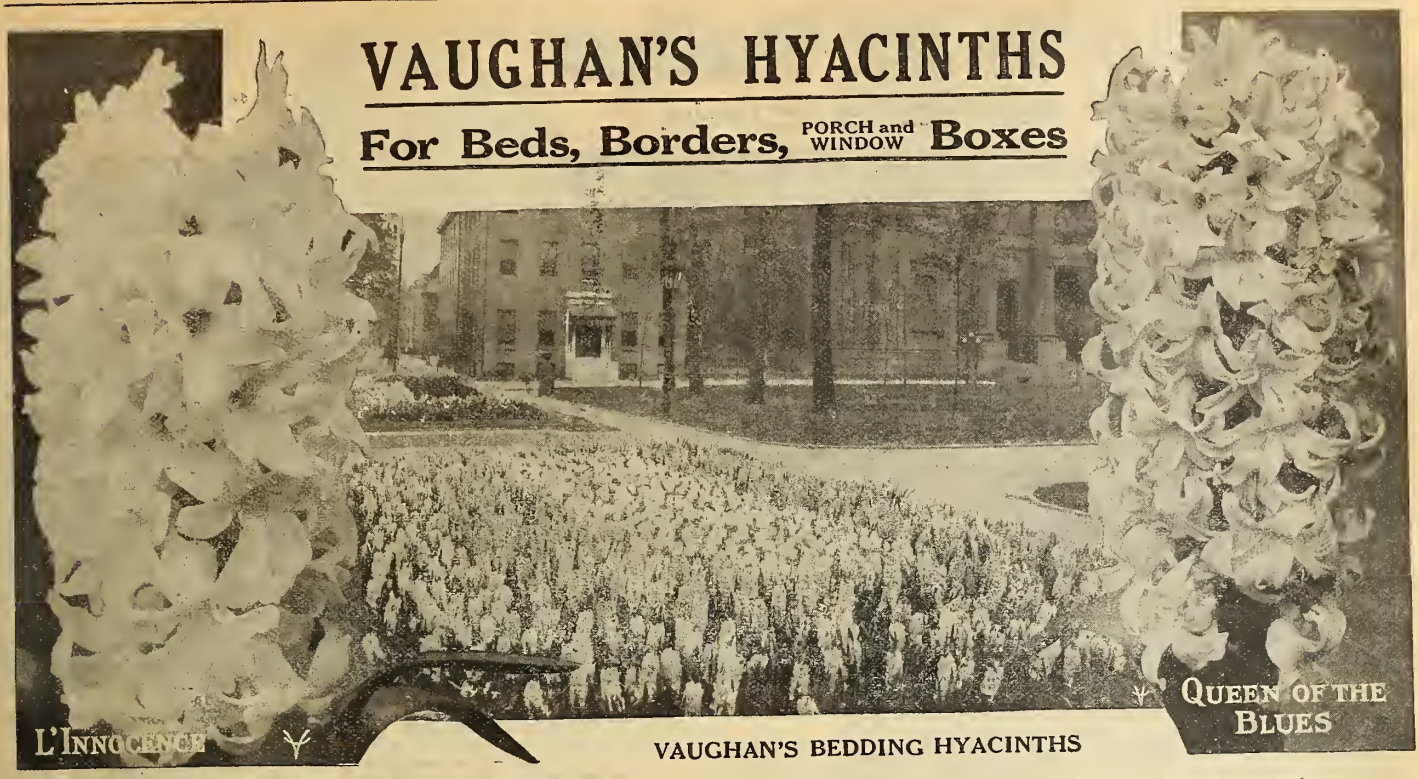
PREPAID PRICES—

A— 6 Bulbs, one of each variety	$0.50
B—12 Bulbs, two of each variety	1.00
C—24 Bulbs, four of each variety	1.90
D—36 Bulbs, six of each variety	2.75

Parcel Post rates are given on inside of front cover and on order sheet.

VAUGHAN'S HYACINTHS

For Beds, Borders, PORCH and WINDOW Boxes



VAUGHAN'S BEDDING HYACINTHS

Named Bedding Hyacinths

THE following are selected from our first size named Hyacinths, but offered in second size bulbs. They are specially adapted for beds and pots, or where masses of distinct shades are required in bloom at the same time, to carry out an intended design. All are sound, plump bulbs that will throw good upright spikes, and are more desirable than those of 1st size bulbs, that have to be supported with stakes. Mailing weight, dozen, 2 lbs.

Single Pink

		Each	Per Doz.	Per 100
3.	**Gertrude,** Rose pink	$0.06	$0.60	$4.00
2.	**Gigantea,** Light pink	.07	.65	4.25
2.	**Moreno,** Bright pink	.07	.65	4.50

Single Red

3.	**Robert Steiger,** Crimson	.06	.60	4.25
3.	**Roi des Belges,** Scarlet	.06	.60	4.00

Single White and Blush

2.	**Albertine,** Pure white	.06	.60	4.00
3.	**La Grandesse,** Pure white	.07	.65	4.50
3.	**L'Innocence,** Pure white	.06	.60	4.00
3.	**Madame Van der Hoop,** Pure white	.07	.65	4.50
2.	**Grandeur a Merveille,** Blush white	.07	.65	4.25

Single Blue

2.	**Grand Maitre,** Dark porcelain	.06	.60	4.00
2.	**Johan,** Light blue	.07	.65	4.50
4.	**King of the Blues,** Dark blue	.07	.65	4.25
4.	**Queen of the Blues,** Light blue	.07	.65	4.25
1.	**Regulus,** Light blue, striped	.06	.60	4.00

Single Yellow

4.	**King of the Yellows**	.07	.65	4.50
3.	**Yellow Hammer**	.07	.65	4.50

"Fancy" un-named Hyacinths

This is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 18 centimeters in size, are plump and sound, selected from the best named varieties.

We offer in separate colors, each color being made up from varieties of about the same shade, and will produce spikes very even in height and size. To those who do not wish to pay the highest price for best named Hyacinths, we especially recommend this grade both for pots and outdoors. We offer these fancy mixed bulbs in singles only, these being much more desirable.

Mailing weight, dozen, 2 lbs.; price, each, includes postage.

	Each	Per Doz.	Per 100	Per 1000
Blue, all shades **Light Blue** **Red and Rose** **Rose** **Pure White** **White,** all shades **Yellow** **Mixed, All Colors**	$0.05	$0.55	$3.50	$30.00

"Medium" un-named Hyacinths

Separate Colors **Single or Double Varieties**

Good size flowering bulbs 15 centimeters (5¾ in.) and upward circumference, much larger than the Mixed Hyacinth bulbs usually sent out. They are well adapted for open ground planting in mixed borders and informal beds, and on account of their low price, are extensively forced for winter-blooming and cutting.

Mailing weight, dozen, 2 lbs.; price, each, includes postage.

	Each	Per Doz.	Per 100	Per 1000
Blue, all shades **Light Blue** **Red and Rose** **Rose** **Pure White** **White,** all shades **Yellow** **Mixed, All Colors**	$0.04	$0.45	$3.00	$24.00

Dutch Roman or Miniature Hyacinths

Splendid for growing in pots, pans or boxes. Bulbs being selected from named varieties are fully matured. Although naturally small in size, they give very large spikes of bloom, considering the size of bulb, and are invaluable for forcing, being specially cultivated for this purpose. Five or six bulbs, planted in eight-inch pan, make a splendid show.

Mailing weight, dozen, 2 lbs.; price, each, includes postage.

Single Red and Rose

	Each	Per Doz.	Per 100
Moreno, Pink	$0.04	$0.35	$2.25
Gertrude, Clear rose	.03	.30	2.00
Gigantea, Blush pink	.04	.35	2.50

Single White

Albertine, Pure white	.04	.35	2.25
La Grandesse, Snow white	.04	.35	2.50
L'Innocence, Purest white	.03	.30	2.00
Mme. Van der Hoop, Purest white, large	.04	.35	2.50

Single Blue

Grand Maitre, Deep porcelain	.04	.35	2.25
Queen of the Blues, Light blue	.04	.35	2.25

BELGIAN

Hyacinth Glasses

We off two styles of these glasses for growing Hyacinths in water. **Belgian,** and **Tye Shape.** (See notes on page 3 regarding culture.)

PRICES

Belgian, Tall....each, **25c;** Doz., **$2.50**
Tye Shape,.....each, **25c;** Doz., **$2.50**

TYE SHAPE

Parcel Post rates are given on inside of front cover, and on order sheet.

Vaughan's Single Early Tulips

For Garden Beds and Borders, Pots and Forcing

TULIP ROSE GRIS DE LIN and Bed of TULIP KEIZERKROON

NO FLOWERS give such a lasting and brilliant effect during the spring months for so little cost and trouble, as Tulips.

Starting with the Early Single varieties listed hereunder and followed by the glorious Darwin and Cottage Tulips mentioned a few pages further on, an extended flowering season is carried on during April and May; and such colors! from the extremes of deep crimson, brilliant scarlet, yellow and white, every intermediate shade and blending is included in these grand flowers, giving plenty of material for contrasts and favorite color schemes.

PLANTING: Do not use fresh stable manure at any time, either in the soil or as a mulch, or you will have no flowers. Treat otherwise the same as Hyacinths described previously. Plant four to six inches apart and four inches deep. Dig Bone Meal into the beds or borders before planting, about two handfuls to the square yard. Thoroughly rotted manure (if procurable) may be placed under the bulbs either in beds or pots, but it should not come in contact with them. For pot culture use the same compost as for Hyacinths. Put five or six bulbs in a six inch pot or pan. This is generally the quantity to use.

Summer Homes in Spring We sometimes wonder how some flower lovers are content to let their gardens go unadorned from Nov. until May or June while waiting for the time to put out summer plants. We have in mind chiefly, those who close up their summer homes in the fall and allow the gardens to become weedy wastes during the early spring months when they could be made so attractive by planting in October a few Tulips for spring bloom. Even if their beauty will not be enjoyed by the owner is it not more gratifying to have them seen and admired by others, and what is more, such adornments illustrate, to an extent, the character and tastes of the owner.

Explanatory: The number preceding the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

Parcel Post: 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates on inside of front cover.

Single Scarlet and Crimson

		Each	Per Doz.	Per 100	Per 1000
7b	**Artus,** deep scarlet; a splendid bedding variety	$0.03	$0.20	$1.25	$10.00
8b	**Belle Alliance,** brilliant scarlet good bedder or forcer	.03	.30	1.75	15.00
8a	**Brilliant Star (New),** bright glowing scarlet; very early	.05	.50	3.50	30.00
8a	**Couleur Cardinal,** brilliant crimson	.04	.40	2.50	20.00
7b	**Cramoisi Brilliant,** bright scarlet	.03	.25	1.45	11.50
7b	**Crimson King,** crimson; good bedder	.03	.25	1.45	12.00
6a	**Duc Van Thol, Scarlet,** for forcing only	.03	.30	1.50	13.00
6a	**Duc Van Thol, Crimson,** for forcing only	.03	.25	1.45	11.50
7a	**Dusart,** dark red	.03	.25	1.45	12.00
14b	**Grace Darling,** orange-scarlet with dark blue center	.05	.45	3.00	24.00
12a	**Maes,** rich scarlet, fine bedder	.03	.45	3.00	25.00
8a	**Pottebakker Scarlet,** bright scarlet	.03	.25	1.60	14.00
12a	**Sir Thomas Lipton,** rich crimson-scarlet	.05	.45	3.00	28.00
7b	**Vermillion Brilliant,** dazzling vermillion-scarlet, fine for pots	.03	.30	2.00	18.00
12a	**Vesuvius,** deep scarlet	.04	.40	2.50	20.00

Single White

6a	**Duc Van Thol, White,** for forcing only	.03	.30	1.50	13.00
8a	**L'Immaculee,** pure white	.03	.20	1.25	10.00
8b	**La Reine** (fancy), white, shaded rose	.03	.25	1.25	10.00
9a	**Pottebakker White,** pure white; large, showy flower (True)	.04	.40	2.50	20.00
10a	**Princess Helena,** pure white	.03	.30	2.00	18.00

Single White — Continued

8a	**Princess Marie Anne,** white, rose shaded	$0.03	$0.25	$1.45	$12.00
10a	**Queen of the Whites,** pure white	.03	.30	1.80	16.00
12b	**Snowflake,** snow-white	.03	.30	1.90	17.00
8b	**Von Vondel,** pure white, fine forcer	.05	.45	3.00	25.00
15b	**White Swan,** pure white	.03	.25	1.45	12.00
7a	**White Hawk,** white; very fine	.04	.35	2.10	19.00

Single Pink and Rose

12b	**Admiral Reynierse,** bright rose-pink, striped white	.05	.50	3.25	30.00
	American Lac (See Cottage Tulips)				
9b	**Cottage Maid,** rosy pink, white striped	.03	.25	1.40	11.00
6a	**Duc Van Thol, Rose;** for forcing only	.03	.25	1.45	11.50
8a	**Flamingo,** carmine-rose, white shaded	.06	.60	4.00	35.00
12b	**La Riante,** deep rose, tipped rose	.05	.45	3.00	24.00
8b	**Mme. Frylink,** very fine pink	.05	.45	3.00	25.00
10a	**Queen of the Netherlands,** delicate pink	.03	.25	1.60	14.00
12b	**Pink Beauty,** bright rose pink shading to blush-white	.05	.50	3.50	30.00
12a	**Princess Wilhelmina,** deep rosy red, flushed white	.03	.30	1.80	16.00
9a	**Proserpine,** glossy pink, early	.05	.45	3.00	27.00
7b	**Rose Gris de Lin,** delicate rose, flushed white	.03	.20	1.25	10.00
8b	**Rose La Reine,** deep rose with white	.04	.40	2.50	20.00
7b	**Rose Luisante,** brilliant deep pink	.04	.35	2.10	19.00
8b	**Rosamundi,** rose, shaded white	.03	.25	1.45	12.00
8a	**Vaughan's New Pink,** pink, shaded white	03	.25	1.60	14.00

Parcel Post rates are given on inside of front cover and on order sheet.

Vaughan's Single Early Tulips

(Continued)

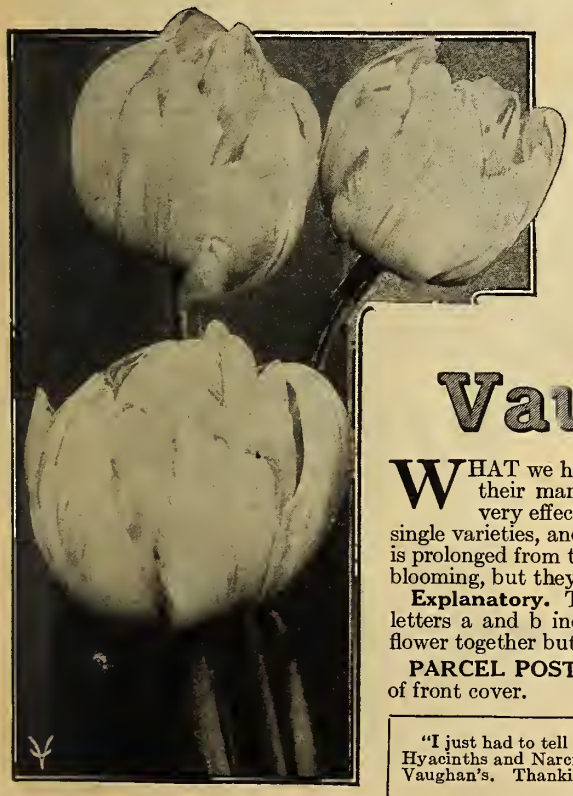
Single Yellow

		Each	Per Doz.	Per 100	Per 1000
8b	**Chrysolora,** golden-yellow; fine bedder	$0.03	$0.30	$1.50	$13.00
10b	**Fred Moore (New),** deep orange, edged yellow	.03	.25	1.45	12.00
7a	**Gold Finch,** pure yellow, sweet scented	.03	.30	1.50	13.00
12b	**Golden Lion,** yellow and terra-cotta	.07	.65	4.50	40.00
12b	**Golden Queen,** beautiful golden-yellow	.04	.35	2.60	23.00
7a	**Mon Tresor,** pure yellow; large cup	.03	.30	2.00	18.00
8a	**Pottebakker Yellow;** fine for bedding	.03	.30	1.90	17.00
12b	**Primrose Queen,** canary-yellow stained with primrose	.03	.30	1.90	17.00
12a	**Prince de Ligny,** golden-yellow	.03	.25	1.60	14.00
8a	**Yellow Prince,** golden yellow; fine forcer	.03	.25	1.45	12.00

Striped, Margined or Otherwise Colored

		Each	Per Doz.	Per 100	Per 1000
11b	**Cerise Gris de Lin,** purplish mauve, broadly edged creamy white with yellow center	$0.06	$0.60	$4.00	$35.00
12b	**Cottage Boy,** orange-red, bordered yellow	.03	.30	2.00	18.00
9b	**Duchess of Parma,** orange-scarlet, suffused yellow edge	.03	.25	1.50	13.00
6a	**Duc de Berlin,** clear scarlet, edged yellow	.03	.30	1.80	16.00
6a	**Duc Van Thol, Red and Yellow;** very early	.03	.30	1.50	13.00
10b	**Keizerkroon,** red with distinct wide golden border, one of the finest early tulips	.03	.30	1.95	17.50
8a	**Prince of Austria,** orange-vermillion; large flower	.03	.30	1.90	17.00
8b	**President Lincoln,** light violet	.04	.35	2.45	22.00
7b	**Thomas Moore,** apricot-orange	.03	.25	1.40	11.00
7b	**Van der Neer,** violet-purple	.06	.60	4.00	35.00
12b	**Van Vondel,** deep cherry-red, feathered white through center of each petal	.03	.30	1.80	16.00
7b	**Wouverman,** dark violet	.06	.50	3.50	30.00

EARLY TULIP, WHITE SWAN



DOUBLE TULIP, COURONNE d'OR

Single Named Tulips —For Bedding Only; Our Selection

These are made up from varieties of same height, and which bloom at the same period. To be recommended for bedding where the amount to be expended is limited. **White, Yellow, Red, Pink, Variegated.**

Price, dozen, 25c; 100 $1.40; 1000, $11.00.

Mixtures of Early Single Tulips

VAUGHAN'S SPECIAL MIXTURE. We make up this mixture ourselves from best sorts, correctly proportioned as to colors and height, and time of blooming. **Price: Per doz., 25c; per 100, $1.40; per 1000, $11.00.**

Extra Fine Single Mixed, 20c per doz.; $1.15 per 100; 250 for $2.25; per 1000, $9.00.

Fine Single Mixed, 15c per doz.; 90c per 100; $7.50 per 1000.

Vaughan's DOUBLE EARLY Tulips

WHAT we have said in the beginning about Single Tulips applies also to the Double Tulips with their mammoth peony-like flowers of brilliant and beautifully diversified colors. They are very effective in beds on lawns and terraces. The flowers last much longer in bloom than the single varieties, and consequently, when single and double are planted in one bed, the time of flowering is prolonged from two to three weeks. The early sorts do very well when grown in pots for winter blooming, but they must be forced more slowly than the single Tulips.

Explanatory. The number preceding the name of the variety denotes the height in inches, while the letters a and b indicate their earliness of bloom—the a's flower together and are the earliest; the b's flower together but are somewhat late.

PARCEL POST. 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs.; add postage at Zone Rates on inside of front cover.

(Continued on next page)

"I just had to tell you what beautiful Tulips my neighbor here has from the bulbs you sent for me last fall, and the Hyacinths and Narcissus were, so she tells me, a winter long joy. My nephews buy of somebody north, but I stick to Vaughan's. Thanking you very much for your care of my orders."

Harriet Pairce, Marathon, N. Y., May 10, 1915.

Parcel Post rates are given on inside of front cover and on order sheet.

DOUBLE TULIP LA CANDEUR

Vaughan's SELECTED DOUBLE Early Tulips

Double Red

		Each	Per Doz.	Per 100	Per 1000
12c	**Cherry Ripe,** cherry-red, blended with carmine rose	$0.07	$0.75	$4.50	$40.00
6a	**Duc Van Thol, Scarlet;** early	.03	.25	1.45	12.00
9a	**Imperator Rubrorum,** bright scarlet	.03	.30	2.00	18.00
12c	**Le Matador,** scarlet with purple glow at the outside of the petal	.04	.35	2.50	20.00
8b	**Rubra Maxima,** dazzling scarlet; splendid bedding variety	.03	.25	1.60	14.00
9b	**Vuurbaak,** bright scarlet with slight flush of orange when fully open	.04	.35	2.50	21.00

Double White

10b	**Alba Maxima,** the finest double white	.03	.30	1.50	13.00
10b	**Boule de Niege,** pure white	.05	.45	3.00	25.00
10b	**La Candeur,** pure white, fine bedder	.03	.30	1.50	13.00
12b	**La Grandesse,** blush-white	.03	.30	2.00	17.00
7b	**Rose Blanche,** white; good dwarf bedder	.03	.30	1.50	13.00
12b	**Schoonoord (White Murillo),** pure white. Extra fine	.04	.35	2.55	22.00

Double Pink

10b	**Couronne des Roses,** bright pink; good forcer	.05	.50	3.25	28.00
12c	**Lac Von Haarlem,** rosy-violet	.07	.75	5.00	45.00
10b	**Lord Baconsfield,** deep rose	.04	.35	2.55	22.00
14b	**Lucretia,** deep rose	.04	.35	2.50	20.00
7a	**Murillo (fancy),** large pink sort, suffused with white	.03	.30	1.50	13.00
8a	**Salvator Rosa,** beautiful rose, fine forcer	.03	.25	1.60	14.00

Vaughan's "Special" Mixture of Early Double Tulips

This mixture we make up ourselves from the best named varieties and with such that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers of cheap sorts.

Price: Doz., 30c; per 100, $1.75; per 1000, $15.00.

Double Yellow

		Each	Per Doz.	Per 100	Per 1000
12b	**Brimstone Beauty,** soft pale yellow, shaded apricot	$0.05	$0.50	$3.50	$30.00
10a	**Couronne d'Or (Crown of Gold),** beautiful rich, golden yellow: fine forcer	.04	.35	2.55	22.00
12b	**Golden King (New),** very large bloom of pure deep yellow	.10	1.00	7.00	60.00
7a	**Tournesol Yellow,** bright yellow, slightly shaded orange	.04	.35	2.50	21.00

Double Striped or Otherwise Colored

21c	**Bleu Celeste (Blue Flag),** large mauve purple flowers; late; very scarce	.07	.75	5.00	45.00
6a	**Duc Van Thol, Red and Yellow**	.02	.20	1.25	10.00
9b	**Duke of York,** red with white border	.03	.30	1.50	13.00
9a	**Gloria Solis,** bright scarlet, yellow border	.03	.30	1.75	15.00
9a	**Rosine,** white, tinged rose	.03	.30	2.00	17.00
8b	**Titan,** scarlet, edged yellow	.04	.35	2.50	20.00
8a	**Tournesol, Red and Yellow,** very showy	.05	.45	3.00	25.00

Double Named Tulips

These make a fine effect where a solid color is desired, and their cost is not so much as the listed varieties, we are sure our customers will be pleased with results.

	Per Doz.	Per 100	Per 1000
White **Pink** **Red** **Yellow** **Striped**	$0.30	$1.75	$15.00

Vaughan's "Regular" Mixtures Double Tulips

These are sent out as received from our Dutch growers and cannot of course be depended upon to give as uniform results as Vaughan's "Special" mixture. We insist, however, on their being equally proportioned as to color and of same period of blooming.

	Per Doz.	Per 100	Per 1000
Extra Fine, Double Mixed	$0.20	$1.25	$10.00
Fine Double Mixed	.15	1.00	8.00

The Book, "Vaughan's Flower Bulbs," 25c; or free with every order of $1.00 or over.

Vaughan's Darwin Tulips

THESE majestic Tulips are without a rival in spring flowers, and they have been rightly named **"The Aristocrats of the Spring Garden."** Universally popular, especially beloved by the ladies and grown by the million for America's great flower markets.

The flowers are beautifully outlined, cup-shaped, and carried on tall stiff stems. They vary in color from almost jet black, crimson, scarlet, purple to lilac, mauve, pink and indescribable intermediate blendings and pastelle shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on the next page, with such kinds as Mrs. Moon, Gesneriana Lutea, G. Lutea Pallida, and Bouton D'Or which flower at the same time.

Darwin Tulips are excellent for beds or for planting in clumps in the perennial border, or bordering low growing Shrubs and hedge rows. Flowering at a time (May) when all other spring flowers are over and before the Peonies and other early summer flowers are ready, they adequately fill a large gap in maintaining a continuous display of flowers between seasons. They are perfectly hardy, flowering with increased vigor each succeeding year.

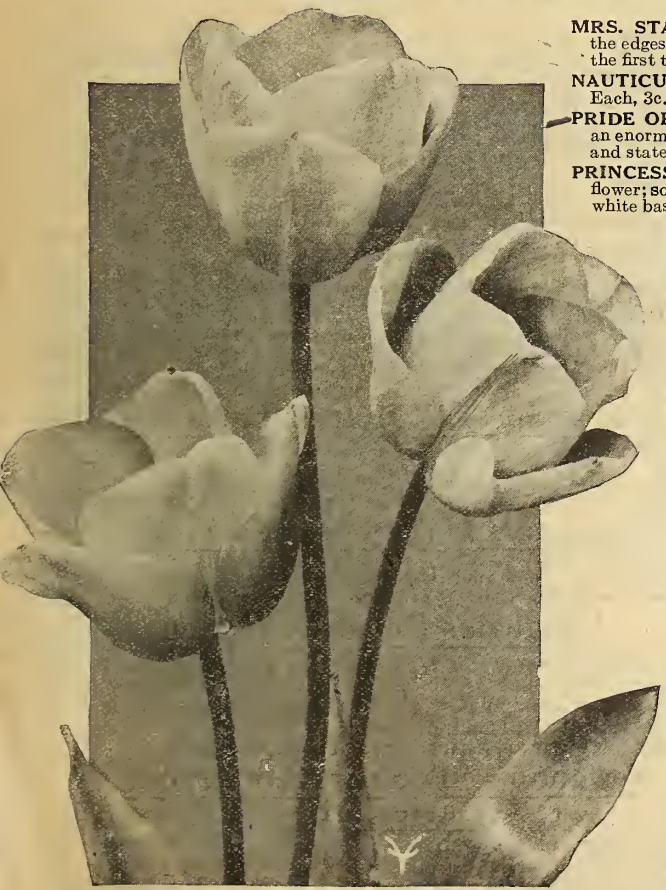
They can also be grown in pots, and, with a little gentle heat can be flowered a few weeks earlier than their ordinary season. Those we offer here are among the best in cultivation at the present day.

The approximate height of each is given in inches.

By Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates.

	Per Doz.	Per 100	Per 1000
BARONNE DE LA TONNAYE. (26 in.) Bright rose, margined blush rose; long, large flower, beautifully shaped. Each, 3c	$0.30	$1.75	$15.00
BARTIGON. (22 in.) A beautiful variety, very large flowers of fiery crimson. Each, 5c	.45	3.00	27.00
BRONZE QUEEN. (26 in.) Soft golden yellow bronze. Each, 7c	.75	5.00	45.00
CLARA BUTT. (21 in.) Soft, salmony-pink, tinged with blush; splendid variety. (See cover illustration.) Each, 3c	.30	1.75	15.00
DREAM. (26 in.) Beautiful, soft, uniform lilac; large flower. Each, 5c	.45	3.00	25.00
EUROPE. (22 in.) Glowing salmon-scarlet, shaded rose; fine flower. Each, 4c	.35	2.25	20.00
FARNCOMBE SANDERS. (25 in.) Fiery rose-scarlet, inside vivid cerise scarlet with white center marked blue; flowers perfect shape. Each, 3c	.30	2.25	20.00
FLAMBEAU. (26 in.) Brilliant rosy scarlet with blue base; very showy. Each, 4c	.35	2.25	20.00
GLOW. (23 in.) Brilliant, glowing vermillion, white and blue base. Each, 4c	.35	2.25	20.00
GRETCHEN. (24 in.) Silvery pale rose, flushed white, inside soft pink, with white center marked blue. Each, 3c	.25	1.50	13.00
LEONARDO DA VINCI. (25 in.) Shining violet black. Each, 5c	.45	3.00	25.00
MAY QUEEN. (24 in.) Soft lilac-rose, with white center. Each, 4c	.35	2.45	22.00
MASSACHUSETTS. A very large and shapely long-stemmed flower of vivid pink. Each, 5c	.45	2.60	23.00
MME. KRELAGE. (28 in.) Bright lilac-rose, margined pale silvery rose; inside soft rose-pink; very large flower. Each, 4c	.35	2.45	22.00
MRS. CLEVELAND. (22 in.) Beautiful delicate flesh color. Each, 5c	.45	2.35	22.00

BARONNE DE LA TONNAYE



REV. H. EWBANK

	Per Doz.	Per 100	Per 1000
MRS. STANLEY. (24 in.) Rose, purplish outside and paler towards the edges; large bright blue center. A charming tulip offered now for the first time. Each, 5c	$0.45	$3.00	$25.00
NAUTICUS. (25 in.) Glowing dark cerise, center violet, shaded bronze. Each, 3c	.30	2.00	18.00
PRIDE OF HAARLEM. (28 in.) Bright rose suffused, with purple; an enormous flower, unsurpassed for groups because of its fine color and stately habit. Each, 3c	.30	2.00	18.00
PRINCESS ELIZABETH. (Syn. **Julie Vinot.**) (26 in.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended. Each, 6c	.65	4.50	40.00
PROF. RAWENHOFF. (28 in.) Cherry rose with ivory-white and blue base. Each, 5c	.50	3.50	30.00
PAINTED LADY. (27 in.) Creamy white, faint tinge of heliotrope on opening. Each, 4c	.35	2.70	24.00
PSYCHE. (26 in.) Soft rose. Each, 5c	.45	3.00	25.00
REV. H. EWBANK. (20 in.) Vivid heliotrope lilac, slightly bordered dove-gray. Each, 5c	.45	2.75	25.00
SIERAAD VAN FLORA. (24 in.) Bright red with blue base. Each, 5c	.50	3.50	30.00
SUZON. (24 in.) Soft pink with blush margin. Each, 5c.	.50	3.50	30.00
SULTAN. (25 in.) Maroon-black. Each, 3c	.30	1.75	15.00
VELVET KING. (24 in.) Dark, glossy purple, with white base marked blue; remarkably handsome. Each, 20c	2.00	15.00	100.00
WEDDING VEIL. (24 in.) Creamy white, flushed lilac, clear white base, black markings. Each, 4c	.35	2.25	20.00
WILLIAM PITT. (22 in.) Very dark scarlet, with purple shade on the outer petals; large flower. Each, 5c	.45	3.00	25.00
WHITE QUEEN. (24 in.) White passing to pink. Each, 4c	.35	2.25	20.00
ZULU. (27 in.) Rich, velvety, purple-black; large egg-shaped flower. Each, 7c	.75	5.00	45.00
ZANZIBAR. (4 in.) Rich, glossy maroon, center dark blue and white. Each, 5c	.50	3.50	30.00

Vaughan's Mixtures of Darwin Tulips

	Per Doz.	Per 100	Per 1000
SPECIAL MIXTURE, made up by ourselves from best distinct kinds.	$0.30	$1.60	$14.00
REGULAR MIXTURE, splendid value	.25	1.45	11.00

"Popular" Collections Darwin Tulips

A—1 each of 30 sorts $1.50
B—2 each of 30 sorts 2.75
C—3 each of 30 sorts $3.75
D—6 each of 30 sorts 6.75

These prices are by express at purchaser's expense. Our Selection of Varieties.

Vaughan's" Special "Collections Choice Darwin Tulips

These collections contain 12 choicest varieties of above list in quantities and assorted colors suitable for growing in pots or grouping in the border. Our Selection of Varieties.

12 Best Varieties

E—3 of each (36 bulbs), postpaid $1.25
F—6 of each (72 bulbs), postpaid 2.35

250 bulbs of a kind supplied at 1000 rate; 25 at 100 rate; 6 at dozen rate.

May-Flowering or

Cottage Tulips

THESE TULIPS bloom in May, about the same time as the Darwins, and where Darwins are planted some of these should be included.

They differ from the Darwins in having either oval shaped or pointed blooms, many with recurved petals. The majority of them are more hi bly colored, and we find bright scarlets, crimsons, yellows and whites predominating.

Many of them are sweet scented, such as Mrs. Moon, Columbus, Emerald Gem, and Gesneriana Major. For these reasons many bold them in esteem in preference to the Darwins.

They are excellent for bedding, and unsurpassed for planting in clumps in the bardy border, giving even better blooms the second and third year than the first year if left undisturbed.

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs.; add postage at Zone rates.

	Per Doz.	Per 100	Per 1000
AMERICAN LAC—See Hobbema.			
BILLIETIANA SUNSET—(16 in.) Golden yellow splashed towards the edges of the petals with dazzling scarlet, later diffused with red more deeply. Each 7c.	$0.75	$5.00	$45.00
BILLIETIANA ILLUMINATOR—(24 in.) This grand Tulip now offered in America for the first time, is an immense yellow flower, deeply margined and splashed with crimson, with dark Ixia-like base. Has won many awards in Europe. Each 20c.	2.00	15.00	
BOUTON D'OR—(16 in.) Round shapely blooms of the purest gold. Fine for massing. Each 3c.	.30	1.60	14.00
CALEDONIA—(20 in.) Beautiful globe-shaped flower of a bright orange-red color. Each 3c.	.25	1.50	13.00
CLUSIANA (Lady Tulip)—(12 in.) White with small crimson base, outside broadly flamed rose, a lovely flower. Each 6c.	.60	4.00	35.00
COLUMBUS—(Gala Beauty)—(16 in.) Velvety crimson, striped with old gold. Outer petals pointed and reflexed. Sweet scented Each 13c	1.40	10.00	85.00
ELEGANS—(16in.) Dark crimson. Outer petals reflexed. Very effective. Each 3c.	.30	2.10	19.00
ELEGANS ALBA—(20 in.) White, reflexed petals margined rosy red. Each 6c.	.65	4.50	40.00
ELEGANS LUTEA (Golden Spire)—(18 in.) Immense pure yellow, the edges of the petals faintly tipped red. Almost as fine as Mrs. Moon, but not so tall. Each 6c.	.65	4.50	40.00
ELLEN WILLMOTT—(20 in.) Long pointed bloom of pale primrose yellow, edged golden yellow. Sweet scented. Each 6c.	.60	4.00	35.00
EMERALD GEM—(18 in.) Rich coral shrimp red, with beautiful sea-green base. Very durable in hottest sun and distinctly perfumed of Sweet Pea. Each 6c.	.60	4.00	35.00
FAIRY QUEEN—(20 in.) Oblong blooms of rosy heliotrope blending into a golden yellow at the edges of petals. Very distinct. Each 5c.	.45	2.45	21.00
GESNERIANA LUTEA—(20 in.) A very shapely bloom of the purest yellow; distinctly sweet scented. One of the best yellow tulips in existence. Each 3c.	.30	1.80	16.00
GESNERIANA LUTEA PALLIDA (Mrs. Keightley)— (20 in.) A pale primrose form of the preceding, highly perfumed, and a little earlier. A charming tulip. Each 6c.	.50	3.00	25.00
GESNERIANA MAJOR (Spathulata Major)—(24 in.) Rich crimson-scarlet, with blue basal blotch. One of the best of its color for park planting, or large garden beds. Sweet scented. Each 3c.	.30	1.75	15.00
GESNERIANA "ORANGE GLOBE"—(22 in.) Brilliant scarlet, shading to orange. A grand contrast with Gesneriana Lutea Pallida. Each 3c.	$0.30	$1.80	$16.00
GLARE OF THE GARDEN—(18 in.) Large egg-shaped blooms of rich velvety crimson, with black and gold base Pronounced the finest of late crimson tulips. Each 6c.	.60	4.00	35.00
HOBBEMA—(16 in.) Also called **American Lac** and **Le Reve.** An exquisite shade of salmon pink and old rose. Perfect shape and early. Each 6c.	.60	4.00	35.00
ISABELLA (Shandon Bells)—(15 in.) A beautiful variety with large handsome flowers. Color primrose, flushed rose, changing to rosy-red. Each 3c.	.25	1.45	12.00
INGLESCOMBE PINK—(24 in.) Extra fine flower of a beautiful salmon pink, shaded with blue base. Each 3c.	.30	2.00	17.00
INGLESCOMBE SCARLET—(16 in.) Brilliant vermilion with a black base. Each 5c.	.50	3.00	25.00
INGLESCOMBE YELLOW—(18 in.) A fine, large, globe-shaped flower, color, full rich yellow; sometimes called the Yellow Darwin. Each 6c.	.60	4.00	35.00
IXIOIDES—(20 in.) Long pointed tulip of the purest yellow, with jet black base. When open resembles a giant Ixia, from which it derives its name. Each 11c.	1.15	8.00	75.00
JAUNE D'OEUF—(22 in.) Outside petals rose and orange, inside bronze and yellow. Very distinct. Each 5c.	.50	3.00	25.00
JOHN RUSKIN—(16 in.) **New.** Large egg-shaped blooms salmon-pink, flushed at edges with yellow. Center olive green and yellow ochre. Award of Merit, R. H. S., Eng. Each 30c.	2.75	20.00	
KALIEDOSCOPE—(18 in.) **New.** The variety of colors in this Tulip are difficult to describe. The bloom is oblong, the petals shaded in the center with pink and maroon, toning to chrome yellow at the edges. The flower when open shows all these colors intensified. Each 40c.	3.50	25.00	
LA MERVEILLE—(20 in.) Extra large fragrant flower, color scarlet, suffused with apricot-orange. Each 3c.	.25	1.50	13.00
LEGHORN BONNET—(18 in.) Beautiful pale straw yellow. The broad thick, petals form a peculiar and distinct three-sided bud, not found in other tulips. Each 4c	.35	2.25	20.00
MACROSPILA—(18 in.) A glowing crimson scarlet with deep zone of black and yellow; splendid for cutting. Each 3c.	.25	1.50	13.00
MAIDEN'S BLUSH (Picotee)—(20 in.) A long shaped flower, pure white, with beautifully recurved petals, margined rose. Each 3c.	.30	1.60	14.00
MARJOLETTI. (14 in). An uncommon and beautiful species from Savoy, delicate pale yellow with cerise blotch on outer edge 6c.	.60	4.00	35.00
MAURIANA—(20 in.) Large oval blooms. Bright scarlet, with scarlet and gold center. A very brilliant bedder. Each 5c.	.50	3.00	25.00
MRS. MOON—(30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for bed and border centers in park planting. Each 6c.	.65	4.50	40.00

THE FAWN

	Per Doz.	Per 100	Per 1000
MOONLIGHT—(20 in.) New. Oblong blooms, of delicate pale yellow. Very distinct. Each 7c.	$0.75	$5.00	$45.00
PRIMROSE BEAUTY—(14 in.) Soft primrose changing to white. Each 3c.	.30	2.00	18.00
PARISIAN WHITE—(14 in.) Pure white, edged silvery-pink: beautiful globe-shaped flowers. Each 3c.	.30	2.00	18.00
PARISIAN YELLOW—(22 in.) Large handsome, clear yellow flowers, borne on long stems; fine for cutting. Each 3c.	.30	2.00	18.00
RETROFLEXA—(16 in.) This is quite a distinct and charming type. Large pale yellow flowers, with pointed petals, elegantly recurved. Especially fine for cutting. Each 4c.	.40	2.45	22.00
ROYAL WHITE—(14 in.) Pure white with yellow center. Each 5c.	.50	3.25	30.00
SWEET NANCY—(18 in.) Pure white, edges margined and penciled with pink. Each 3c.	30	1.60	14.00
THE FAWN—(20 in.) Egg-shaped bloom of a rosy fawn color, edged creamy white. One of the prettiest of all late tulips. Each 5c.	.50	3.25	28.00
VITELLINA—(22 in.) A charming flower of an exquisite pure pale primrose shade. Each 5c.	.50	3.25	30.00

Vaughan's "Special" Mixture Cottage Tulips

This mixture contains many of the above named sorts and other new and rare varieties. We mix it ourselves and know just what it contains. The result from a planting of 100 bulbs will be dazzling, and we strongly advise our customers to order at least this many bulbs. **Per dozen, 30c; per 100, $1.50; per 1000, $12.00.**

Vaughan's 10 Best Cottage Tulips

Ellen Willmott, The Fawn, Fairy Queen, Ixioides, Glare of the Garden, Gesneriana Lutea Pallida, Mrs. Moon, Emerald Gem, Moonlight, Columbus.

6 of Each for $3.25 postpaid; 3 of Each for $1.75 postpaid.

Vaughan's Cover Collection

The 3 tulips shown on the front cover, are offered this year for the first time. They surpass in beauty and distinctness any thing previously offered and all have gained the highest Horticultural awards for this class. We will mail, **postpaid:—**

3 of Each for $1.25; 6 of Each for $2.40; 12 of Each for $4.70.

Vaughan's "Popular" Collections

Cottage Tulips

In order to enable our customers to make a trial of these splendid Tulips, we offer these collections:

1 each of 15 varieties (our selection).....$0.50 postpaid
2 each of 15 varieties (our selection).....95 postpaid

The Book "Vaughan's Flower Bulbs," 25c, or free with orders of $1.00 or over, when asked for.

PARROT TULIPS

Old Fashioned Striped Tulips

LATE FLOWERING

If by mail, weight same as other Tulips.

	Per Doz.	Per 100	Per 1000
Bizarres—Flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple on yellow ground. Each 3c	$0.25	$1.50	$13.00
Bybloemens—White ground, blotched, striped or feathered with lilac, purple, violet, blue. Each 3c	.30	1.80	16.00

Breeder (Old Dutch) Tulips

Breeders are the unbroken forms of the old Florist Tulips. They were formerly listed among the Cottage-Tulips but they really form a distinct class by themselves. Their purple, maroon or terra cotta colors with **enormous** size and vigorous growth, make them very valuable; flowers haveu nusual lasting qualities and are very sweet scented. They should be treated in the same way as Darwins, but cannot be forced.

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone rates.

	Each	Per Doz.	Per 100	Per 1000
Cardinal Manning. (28 in.) Dull wine-red, flushed rosy brown	$0.06	$0.60	$4.00	$35.00
General Ney. (25 in.) Old gold with olive	.11	1.15	8.00	70.00
Medea. (24 in.) Salmon, carmine red	.06	.60	4.00	35.00
Roses Des Dames. (23 in.) Dark rosy lilac, almost a dark pink	.07	.75	5.00	40.00
Yellow Perfection. (24 in.) Light bronze-yellow, edged-yellow	.10	1.00	7.00	65.00
VAUGHAN'S BEST MIXED. Extra fine	.03	.30	2.00	18.00

Parrot or Dragon Tulips

Their fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all Tulips. Flowering at the same time as other late sorts, they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height of them is about 15 inches.

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates.

	Each	Per Doz.	Per 100	Per 1000
Admiral de Constantinople. Red, tipped orange	$0.03	$0.25	$1.50	$13.00
Lutea Major. Bright yellow; large	.03	.25	1.50	13.00
Markgrave. Yellow, striped scarlet and green	.03	.30	1.60	14.00
Perfecta. Yellow, striped red	.03	.25	1.50	13.00
Couleur Cafe. Brown and yellow	.03	.25	1.50	13.00
Cramoisie Brilliant. Deep crimson with large black star-shaped center	.03	.25	1.50	13.00
Gloriosa. Red and yellow	.03	.25	1.50	13.00
MIXED, SUPERFINE	.02	.20	1.25	10.00

TYPE OF TULIP BIZARRES

Special Offer Parrot Tulips

A. One each, 7 varieties, postpaid $0.15
B. Six each, 7 varieties, postpaid ..... .75

Use BONE MEAL in your potting mixture for bulbs, 3 lbs. to the bushel. **5 lbs., 25c; 10 lbs., 50c; 100 lbs., $2.35.**

NARCISSUS MME. DE GRAAFF
Growing in Fiber

Fiber for Growing Bulbs in Vases, Bowls, Etc.

(Without Drainage)

For those who have neither a garden, nor the conveniences of greenhouses, or have a difficulty in obtaining suitable soil, we would recommend this system of culture. Any receptacle may be used for the purpose provided it is non-porous.

CULTURAL INSTRUCTIONS

The bulbs are potted the same way as in ordinary soil just showing their tops. **It is not necessary** or **desirable** to press the fibre **tightly,** otherwise the roots do not work freely, and bulbs have a tendency to push themselves upwards. Once potted they require hardly any attention, only **great** care should be taken to keep the compost moist, but on no account must it be **sodden or too wet.**

If **once** allowed to become dry, even for half a day only, the pores of the roots close up and the bulbs in many cases go blind and are ruined.

When the bulbs have been potted, vases or jars should be kept in a **dark, airy** cellar or room.

When the bulbs have grown about one inch, they should be brought into more light, and the vases or bowls can be placed in the window, taking care of course, to keep them from frost. **Per qt., 10c; peck, 50c; bushel, $1.50.**

Parcel Post rates are given on inside of front cover and on order sheet.

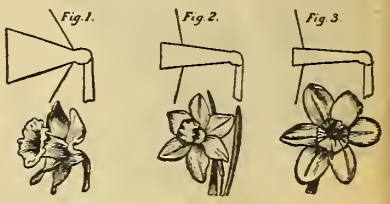
NARCISSUS KING ALFRED

Vaughan's Choice

Daffodils or Narcissi

THERE is no flower of recent years that has forged its way to the front, and come into greater demand than the Daffodil in the beautiful forms and colors in which it presents itself today; and though heretofore Hyacinths and Early Tulips have taken the lead as the best spring flowers, we foresee the Daffodil in a conspicuous place in the annual procession of garden flowers in future. Today fabulous prices are paid for even one bulb of some of the new hybrids, and the number of varieties catalogued by growers is astounding, and often confusing. The varieties we offer are all choice, distinct types of the different groups, many moderately priced new ones being listed each year. Being perfectly hardy (with the exception of the Polyanthus varieties), they do well planted in any location they increase in size, and flower year after year. Groups of Daffodils in borders of hardy herbaceous plants, and along the edges of shrubbery beds, are exceedingly effective and very beautiful. They are equally valuable for winter flowering in greenhouses or window gardens, and growing in pots or pans for house decoration. Three or four bulbs can be planted in a 6-inch pan and should be given same treatment as Early Tulips. For outdoor culture bulbs should be planted 5 or 6 inches apart, according to size of bulbs. Bonemeal, at the rate of two handfuls to a square yard, should be used in the beds, but **fresh manure,** either as a mulch or dug in, should never be used. This is fatal to Narcissus.

Classification of Daffodils or Narcissi



"Daffodils" or "Narcissi," whichever one wishes to term them, are divided into three main divisions: (A), **MAGNI CORONATI, large trumpet Daffodils;** (B), **MEDIO CORONATI, medium sized trumpets,** and (C), **PARVI CORONATI, small cupped varieties.** If a Narcissus bloom is examined, it will be found to consist mainly of two parts: (1), **a long expanding tube,** and, (2), **a perianth** (the petals or perianth segments), bending outwards from the tube; the three classes mentioned above depend upon the point on the tube or trumpet at which the petals are attached. When they come from the base so that the whole tube forms **the trumpet,** the flower belongs to the **Magni Coronati** (Fig. 1). When they come further forward on the tube, thus shortening the trumpet in front by about half, it belongs to the **Medio Coronati** (Fig. 2), and when the perianth is still more forward until the trumpet appears small-cupped or saucer-shaped, this is a type of **Parvi Coronati** (Fig. 3). Example **1—King Alfred;** example 2—**Gloria Mundi;** example 3—**Incognita.** Polyanthus Narcissi, Double Narcissi, and Jonquils are too distinct to need mentioning here.

Large Trumpet Narcissi—All Yellow

If by Parcel Post, Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs; 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price, "each," includes postage. Add postage at Zone Rates.

	Per Doz.	Per 100	Per 1000
Ard Righ (Irish King). Full yellow perianth, with rich golden yellow trumpet. Forces well. Each, 5c	$0.50	$3.00	$25.00
EMPEROR. A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-in. pot will make a splendid show.			
Large Bulbs. Each 5c	.35	2.25	20.00
Mammoth Bulbs. Each, 7c	.50	3.00	27.00
Golden Spur. A tall, vigorous, golden yellow flower, with healthy green foliage. Fine for beds or pots. Very early.			
Large Bulbs. Each 5c	.35	2.25	20.00
Mammoth Bulbs. Each 7c	.60	4.00	35.00
GLORY OF LEIDEN. Immense flowers of majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth segments are very broad, and overlapping; this variety deserves first place in any Narcissus collection; late. Each, 10c	1.00	6.50	60.00
Henry Irving. A beautiful pure yellow flower, with broad spreading perianth and fine trumpet. A good forcer, and showy in beds. Each 5c	.45	2.45	22.00
KING ALFRED. "The King of Yellow Daffodils." Tall, vigorous, golden-yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Each, 45c	5.00	35.00	
Obvallaris. (Tenby Daffodil.) A vigorous, early, pure yellow daffodil. Good for beds or pots. Each, 4c	.35	2.00	18.00
SHAKESPEARE (New). An extra fine seedling; beautiful, erect and bold flower with large broad light yellow perianth, and an immense golden-yellow trumpet. Each, 25c	2.00	15.00	
Spurius Major. (Single Von Sion.) Flower large and of a uniform deep golden-yellow. Highly prized as an early-forcing sort and largely planted for outside bedding. Each, 4c	.35	2.00	18.00
Trumpet Maximus. Pure golden-yellow; large expanded trumpet with frilled reflexed brim. Each, 4c	.35	2.00	18.00

NARCISSUS EMPEROR

Vaughan's Book "How to Grow Flower Bulbs," 25c, or free with every order of $1.00, if asked for.

Large Trumpet Narcissi—Continued

Bicolors

White or cream perianth segments with primrose, or deep yellow trumpets.

If by Parcel Post: Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at Zone rates.

	Per Doz.	Per 100	Per 1000
DUKE OF BEDFORD. (New.) A bicolor of massive proportions; perianth pure white, 4½ inches across, with large expanding clear yellow trumpet, measuring 2½ in. Ea., 55c.	$6.00	$45.00	....
EMPRESS. This makes a fitting companion to Emperor. We think it one of the finest of bicolors. The trumpet is of a rich yellow, with perianth of snow-white petals; flowers bold and erect.			
Large Bulbs. Each, 5c.	.35	2.25	$20.00
Mammoth Bulbs. Each, 7c.	.50	3.00	28.00
J. B. M. Camm. Perianth white, with a cream-colored trumpet, one of the finest white-winged varieties. Each 5c.	.50	3.00	28.00
Mme. Plemp. Pure white perianth, with broad over-lapping segments. Fine yellow trumpet of great substance. Each, 5c	.50	3.00	28.00

Mrs. Walter T. Ware. A perfect shaped, very free and early blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden yellow trumpet. Each, **4c**; per doz. **35c**; per 100, **$2.25**; per 1000, **$20.00.**

NARCISSUS DUKE OF BEDFORD

PRINCEPS MAXIMUS. A popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow.

Mammoth Bulbs. Each, 5c; per doz., 35c; per 100, $1.75; per 1000, $15.00.

Large Bulbs. Each 3c; per doz., 25c; per 100, $1.25; per 1000, $10.00.

VICTORIA. Flowers large and erect, with creamy-white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow, and frilled at mouth.

Mother Bulbs. Each, 7c; per doz., 55c; per 100, $3.50; per 1,000, $30.00.

Large Bulbs. Each, 4c; per doz., 30c; per 100, $2.00; per 1000, $18.00.

NARCISSUS MME. DE GRAAFF
The Finest in Its Class

NARCISSUS VICTORIA

All White

White perianths with white or sulphur trumpets, which change to white as the flowers mature.

If by Parcel Post: 12 Bulbs weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone rates.

MME. DE GRAAFF. The grandest of white daffodils. Broad white overlapping perianth segments, with cream trumpet, changing to white, beautifully expanded and rolled back. Each, **13c**; per doz., **$1.25**; per 100, **$8.00**; per 1000, **$70.00.**

Mrs. Thompson. Large and handsome, with an elegantly frilled trumpet. It first appears primrose, changing with age to pure white. A strong grower, early and free bloomer. Each **4c**; per doz., **35c**; per 100, **$2.25**; per 1000, **$20.00.**

W. P. Milner. Beautiful pure sulphur yellow. Distinct free-flowering. Each, **5c**; per doz., **45c**; per 100, **$3.00**; per 1000, **$25.00.**

Vaughan's Collections

Large Trumpet Narcissi

"Popular" Collections

An excellent assortment for pot culture or planting in clumps on the lawn.

Emperor (yellow)
Empress (bicolor)
Golden Spur (yellow)
Mrs. Thompson (white)

3 of each	6 of each	12 of each
A for 40c postpaid	**B** for 70c postpaid	**C** for $1.25 by express

"Novelty" Collections

We offer these collections to encourage the growing of some of the newest Narcissi, whose beauty and form cannot be realized from book description. Some idea of their merits may be gathered from the fact that when first introduced, these varieties found a ready sale at $25 and $50 per bulb

King Alfred (yellow)
Duke of Bedford (bicolor)
Shakespeare (yellow)
Mme. de Graaff (white)

1 of each	3 of each
D for $1.30 postpaid	**E** for $3.50 postpaid

Vaughan's "Amateur" Collections

These prices quoted are by express at purchaser's expense. **Our selection.**

G—1 each of 15 Trumpet sorts for..$0.50 **H**—3 each of 15 Trumpet sorts (45 bulbs) for..$1.25
K—6 each of 15 Trumpet sorts (90 bulbs) for..... 2.35

250 bulbs of a kind supplied at 1000 rate; 25 at 100 rate; 6 at dozen rate.

Medium Sized Trumpets or Incomparabilis Narcissi

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. When forced for winter flowers they are splendid and when used as a cut flower are very decorative.

We include under this heading the beautiful **Leedsii** kinds, which belong to it only in shape, but are quite distinct in color. All have the purest white perianths and as a rule white cups, though some are often shaded primrose or faint buff-orange. They make excellent pot plants; force well, being valuable in this respect for early white flowers. They are also exceedingly hardy, and are well adapted for planting out permanently in grass or in the Hardy Plant Border.

If by Parcel Post, weights of all bulbs on this page are as follows: 12 bulbs, 1 lb.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone Rates.

	Per Doz.	Per 100	Per 1000
Autocrat. A flower of exquisite shape; perianth and cup a uniform pure yellow. Excellent. Each, 4c.	$0.30	$1.80	$16.00
Beauty. Sulphur-yellow perianth, large yellow cup margined orange-scarlet, splendid grower. Each, 5c.	.50	3.00	25.00
BLACKWELL. One of the earliest in this section and a splendid forcing variety. Perianth, primrose yellow, of good substance, with a long tubular cup, orange-red to the base. Each, 35c.	3.50	25.00	
C. J. Backhouse. Pale yellow spreading perianth, with a long cup of glowing orange-red. Each, 4c.	.35	2.25	20.00
Gloria Mundi. A lovely flower with fine, bold, clear rich yellow perinth, large cup, much expanded, and very heavily stained orange-scarlet; handsome and striking. Each, 12c.	1.25	8.00	70.00
HOMESPUN. (Primrose Sir Watkin.) One of the finest of all yellow Incomparabilis. Color clear uniform yellow, perfect form, substance and quality. **Has received more awards than almost any other Daffodil.** (See illustration p. 15.) Each, 80c.	9.00	65.00	
Lucifer. (New). Long white segments, long narrow cup, color intense glowing orange-scarlet. Splendid garden plant, as color lasts well in the sun. Each, 15c	1.40	10.00	80.00
QUEEN SOPHIA. Perianth sulphur yellow, with an immense, expanded, crinkled cup, heavily stained orange-red. Each, 8c.	.75	4.00	35.00
SIR WATKIN. A well known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large rich golden trumpet.			
Large Bulbs, each, 4c.	.30	2.00	17.00
Mammoth Bulbs, each, 7c.	.50	3.00	25.00

Small Cupped or Star Narcissi

To this class belong the most interesting of all Narcissi, including the **Barri, Burbidgei, Engleheart** (Flat trumpet) sorts. The cups are usually tipped red, or entirely orange-scarlet, and are dainty flowers for pot culture, or nooks in the garden. Plant in semi-shade, as strong sunlight is liable to burn the red cups.

Barri Conspicuus. A flower of exquisite beauty, unexcelled for cutting; large, broad spreading perianth, broad, short cup conspicuously edged bright orangt scarlet. Lasts long in water.
Each, 3c; per doz., 20c; per 100, $1.15; per 1000, $9.00

FIREBRAND. (New). A grand introduction. Large spreading creamy white perianth with crinkled trumpet, brilliant fiery red to the base. Planted in pots it is extremely facinating. **Each, 7c; per doz., 75c; per 100, $5.50; per 1000, $50.00.**

Flora Wilson. A large pure white perianth; yellow crown deeply stained with orange red. **Each, 5c; per doz., 50c; per 100, $3.00; per 1000, $25.00.**

INCOGNITA. (New). A beautiful flower, with large white perianth, large, flat cup of a glowing orange apricot color, margined cinnamon-buff. One of the finest of recent introductions. **Each, 50c; per doz., $5.50; per 100, $40.00.**

Leedsii or White Incomparabilis

Also Called the Eucharis-flowered Narcissus

All have white perianths with white or sulphur trumpets. One of the most beautiful classes for cutting of all daffodils.

If by Parcel Post, weights same as above.

	Per Doz.	Per 100	Per 1000
DUCHESS OF WESTMINSTER. A most refined and graceful flower, with a large white spreading perianth, and long pale canary cup, which later passes to pure white. Each, 15c.	$1.40	$10.00	$80.00
Marie DeGraaff. Broad white perianth petals, and widely expanded primrose crown, often suffused with orange or a terra-cotta shade. Each, 4c.	.30	2.00	18.00
Mrs. Langtry. A remarkably free flowering variety, broad white perianth, and white cup opening pale primrose. Valuable for naturalizing. Each, 3c.	.25	1.40	11.50
WHITE LADY. A giant-flowering variety resembling a **White Sir Watkin.** Large broad pure white perianth and a bold frilled cup of pale citron passing to white. Each, 10c.	1.00	7.00	60.00

Vaughan's Collections

of Medium and Small-Cupped Narcissi.

Delightful in pots, grouped in the border, or in clumps on the lawn. (Buy one of these collections and have something better than your neighbor.)

"Novelty" Collections

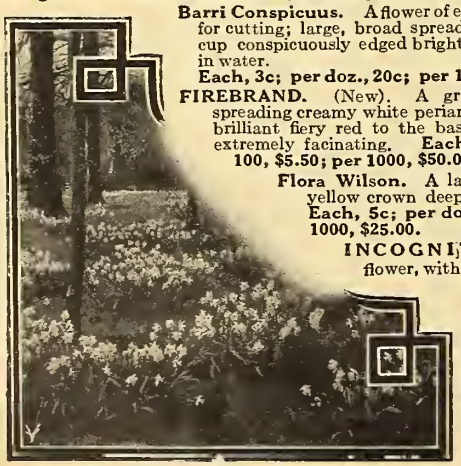
Homespun White Lady Blackwell
Firebrand Incognita

(A) One of each for $1.75; Postpaid.
(B) Three of each for $4.50; Postpaid.

"Special" Collections

These collections are excellent value, and well suited for growing in pots.

(C) 1 of each in 12 good sorts, postpaid $0.40
(D) 3 of each in 12 good sorts, postpaid 1.00
(E) 6 of each in 12 good sorts, postpaid 1.75
(F) 12 of each in 12 good sorts, by exp. 3.00



Daffodils Naturalized in Grass.

Poeticus Narcissus

POET'S NARCISSUS OR PHEASANT-EYE.

THESE are a beautiful class of daffodil. The flowers vary in perianth diameter from 2½ to 4 inches. The segments are pure white, overlapping in the newer varieties, and flat cup is yellow, usually edged scarlet, or sometimes entirely scarlet. They have a delightful perfume, and make grand indoor plants in pots, the earlier ones forcing well if desired. They are also adapted for planting in the garden, woods, or amongst shrubbery, where left to themselves they will rapidly increase and spread.

If by Parcel Post, 12 bulbs weigh 1 lb.; 100, 7 lbs. Price "each" includes postage. Add postage at Zone rates.

	Per Doz.	Per 100	Per 1000
Poeticus. (Common Pheasant's Eye). The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late	$0.20	$1.00	$ 8.00
Praecox Grandiflorus. A new and large type of early-flowering Poeticus; very large and handsome flowers; pure white with yellow cup suffused with crimson; height 19 inches. Each, 4c	.35	2.45	2200
Glory. A grand new variety producing immense snow-white flowers of perfect form; cup yellow edged red. Each, 6c	.60	4.00	35.00
Ornatus. A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut-flower.			
Large Bulbs	.20	1.00	8.00
Mammoth Bulbs	.30	1.50	12.00
King Edward VII. (Almira). Magnificent large flowers with broad, round petals, a glistening white; the yellow cup is edged deep red; very early flowering variety. Each, 4c	.40	2.75	26.00

NARCISSUS HOMESPUN (See p. 14)

New Dwarf Narcissi

THESE are charming and interesting little daffodils, suitable for growing in nooks on rockeries, or bordering other flower bulbs. When grown in small pans, pots or ornamental bowls they are most attractive for conservatory and house use. They are extremely scarce and should be planted early. Heights are given.

Prices Include Postage.

Mountain Maid. (Leedsii) 8 inch. Pure white; perfect frilled trumpet, broad overlapping perianth segments. Resembles a miniature Eucharis Lily. Scarce. Each 35c; per doz., $3.50; per 100, $25.00.

Minimus. (Magni) 3 inch. If one can imagine a perfect Golden Spur with trumpet about ⅜ inch long and perianth ⅝ inch over all, growing about 3 inches high, one has a good description of this charming little flower. Scarce. Each 10c; per doz., 90c; per 100, $6.00; per 1000, 50.00.

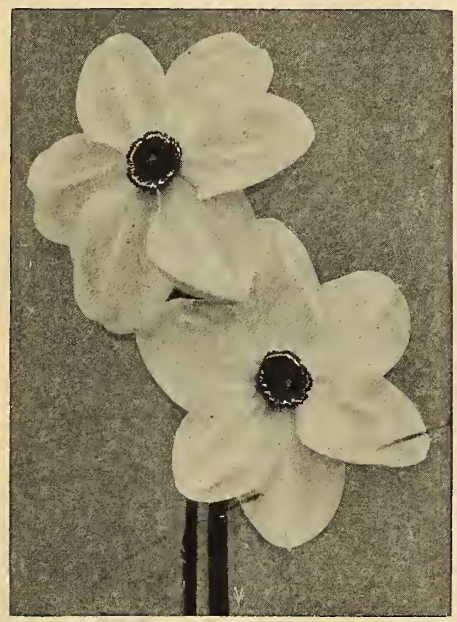
Nanus. (Magni) 6 inch. A dwarf early flowering variety of a full rich yellow, a gem for edgings; its little flowers bespangle the ground like stars. Each 7c; per doz., 60c; per 100, $4.00; per 1000, $35.00.

Triandrus Albus. (Angel's Tears.) 6 in. This is the original of the Triandrus class, characterized by the long tubular white trumpet, and white petals turned back over the seed pod. An exquisite flower. Each 8c; per doz., 75; per 100, $5.00; per 1000, $40.00.

See Special Offers below.

BULBS, TUBEROUS ROOTED PLANTS. C. I. Allen. Includes their history, description, methods of propagation, and complete directions for their successful culture. Ill. Cloth. 310 pp. Price **$1.50**

Flower Bulbs and How to Grow Them. 72 pp. Ill. Price ..... **.25**



TYPE OF NARCISSUS POETICUS

Narcissus Poetaz

(THE HARDY, CLUSTER-FLOWERED DAFFODIL)

By crossing Poeticus and Polyanthus varieties growers have succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. The individual flowers have all more or less the Poeticus shape and size. Besides being hardy, this class has the merit that they have not inherited the strong, disagreeable scent of the Polyanthus Narcissus. Planted in beds they make a mass of flowers. They also do well planted in pots for winter flowers.

If by Parcel Post, 12 bulbs weigh 1 lb.; 100, 7 lbs. Price "each" includes postage. Add postage at Zone rates.

Alsace. Petals pure white with yellow eye; when bursting into flower the eye is slightly edged reddish. Broad, large flowers of true Poet form; one of the earliest. Has three flowers on a stem. Each, 6c

Per dozen	$ .65
Per 100	4.50
Per 1000	40.00

Aspasia. Perianth pure white, with yellow eye true Poeticus form, large flowers, borne on very tall stems, grows 24 inches high, 3 to 4 flowers on a stem. Each, 4c

Per dozen	$ 0.35
Per 100	2.25
Per 1000	20.00

	Per Doz.	Per 100	Per 1000
Elvira. Pure white with yellow eye, large flower of remarkably good substance; a good keeper; very long stemed, 3 to 4 flowers on a stem; one of the strongest growing Narcissus. Extra free-flowering. Each, 4c	.35	2.25	20.00
Irene. Perianth silky sulphur-yellow changing to light yellow; orange eye; large broad truss, bearing 8 to 9 flowers; most pleasing color; this novelty no doubt will soon be in good demand. Each, 6c	.60	4.00	35.00
Klondyke. Perianth yellow, with deep golden yellow eye, one of the deepest yellows. Trusses bring 6 to 7 flowers. Each, 12c	1.35	10.00	90.00
Triumph. Pure white perianth, with deep yellow eye, the largest flowers of this section, resembling Narcissus Bazelman Major; 3 to 4 flowers on a stem; a sterling novelty. Each, 7c	.75	5.00	45.00

Vaughan's Special Offers

E—2 each, Poeticus named on this page, postpaid $0.35
H—2 each, Poetaz named on this page, postpaid ..... .75
J—3 each, of "Dwarf Varieties" on this page, postpaid 1.50
K—6 each, of "Dwarf Varieties" on this page, postpaid 2.50

Jonquils

Jonquils are noted for their graceful, sweet-scented flowers, in or out-of-doors. For indoor decoration three or four bulbs should be grown in a four or five-inch pot. (Postal rates as above.)

	Per doz.	Per 100	Per 1000
Single. Yellow, sweet scented	$0.15	$1.00	$ 7.00
Double. Fragrant	.30	1.80	16.00
Campernelle. Large, for forcing or bedding	.20	1.15	8.00
Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing	.25	1.25	10.00
Rugulosus Plenus. Double yellow flowers on tall graceful stems. Each, 6c	.45	2.45	22.00

NARC. ALBA PLENA ODORATA (See p. 16)

Parcel Post rates are given on inside of front cover and on order sheet.

PAPER WHITE GRANDIFLORA
Growing in Gravel

Polyanthus Narcissus

BUNCH FLOWERED—Narcissus Tazetta

THE Polyanthus or bunch-flowered Narcissi are not only beautiful, but exceedingly fragrant, and may be grown in bowls or glasses under the same treatment as for Chinese Sacred Lily. Also suitable for window garden, conservatory or garden, very free flowering and continuing long in bloom. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. They are not quite as hardy as the other types of Narcissus and therefore should be carefully protected in cold climates when grown in the garden.

If by Parcel Post, 12 bulbs weigh 3 lbs.; 50, 10 lbs. Add postage at zone rates given on inside front cover.

	Each	Doz.	100
Bazleman Major—Large flowers in immense clusters; broad pure white perianth; large dark yellow cup; one of the finest Polyanthus Narcissus in cultivation	$0.08	$0.75	$5.00
Gloriosus—Pure white flowers of large size with orange cup; borne in large heads	.07	.50	3.50
Grand Monarque—One of the finest of the Polyantha section, giving excellent results when grown in gravel and water. The bulbs are of large size. Flowers are white with a lemon-yellow cup	.07	.50	3.50
Grand Primo—Perianth pure white, with citron cup	.07	.50	3.50
Lord Canning—Clusters of large golden yellow flowers with orange cups; extra fine	.07	.50	3.50
Maestro—Large round, thick-petaled flowers of cream white, with deep orange cup; a grand sort	.08	.60	4.00
Mont Cenis—This is undoubtedly the finest of Narcissi; its large white flowers with yellow cup come to a medium height, often more than two flower stems from a bulb and each stem 15 to 18 blooms	.07	.50	3.50

Paper White Grandiflora

	Doz.	Per 100	Per 1000
LARGE FLOWERING—This large flowering type is such an improvement over the ordinary "Paper White" that we have discontinued offering the latter. The "Large Flowering" is more vigorous and earlier, producing purest snow-white flowers of large size and good substance. This Narcissus does splendidly when grown in bowls of water and pebbles or moss the same as Chinese Narcissus.			
Fancy Selected Bulbs, each 4c	$0.35	$1.60	$14.00
Mammoth (Star Brand), each 5c	.45	2.00	18.00

	Each	Doz.	100
WHITE PEARL—Large pure white flowers opening with cream cups, which change to white in a day or two; these chaste and beautiful flowers are borne in large clusters	$0.07	$0.50	$3.50

Double Sacred Lily (Double Roman Narcissus)

GROWN in the same manner as Chinese Sacred Lily. Produces abundance of double flowers; white, shaded beautiful yellow; fragrant and lasting. Can be easily brought into bloom for Christmas. **Each 4c; doz., 30c; 100, $1.75.**

Chinese Sacred Lily or Joss Flower

THE Chinese Polyanthus Narcissus. Can be grown in pots, or bowls of gravel and water, the latter being the usual way, and very ornamental when in bloom. Each bulb throws up from 5 to 10 flower spikes, bearing white blossoms, with yellow center; of a most delicious fragrance.

LARGE SELECTED BULBS, each 10c; 3 for 25c; per doz., 85c. Per Post, 3c extra.

Vaughan's Special Collections, Tazetta Narcissus

A—1 of each (8 varieties), postpaid..$0.50 B—3 of each (8 varieties), postpaid..$1.25

Double Narcissi

THESE old fashioned daffodils are still very popular, and though they lack the sturdiness of some of the single varieties as bedders, the "Phoenix" varieties have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal of its class for potting or forcing.

If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs; 50, 7 lbs.

	Per Doz.	Per 100	Per 1000
Alba Plena Ordorata—The well known double white, sweet scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late flowering, and will not force. Best suited for beds or naturalizing. (See page 15). Each, 3c	$0.25	$1.25	$10.00
Incomparabilis (Butter and Eggs), the double form of Sir Watkin. Light yellow and orange; forces well. Each, 4c	.30	1.75	15.00
Orange Phoenix (Eggs and Bacon) white and orange. Each; 4c	.30	1.80	16.00
Sulphur Phoenix (Codlins and Cream), white and sulphur yellow. One of the best for cutting and unexcelled for funeral work. As this bulb generally throws two to three flowers, it is a profitable variety to grow. Each, 4c	.35	2.00	17.00
VON SION, the common Double Yellow Daffodil **Mother Bulbs.** (Jumbo Size.) The bulbs are extra large in size and will throw three to five flowers each. We get only a limited quantity of these. Each 8c	.60	4.00	35.00
VON SION XXX Mammoth Double-Nosed Bulbs, largest and finest roots our growers can select. Each bulb will bring two or more flowers. Each, 5c	.50	3.00	25.00
VON SION, Fancy Selected Bulbs. Each, 4c	.35	2.00	18.00
VON SION, First Sized Bulbs. Each, 3c	.30	1.75	15.00

Bowls for Chinese Lilies and Other Bulbs

MATT GREEN BOWL

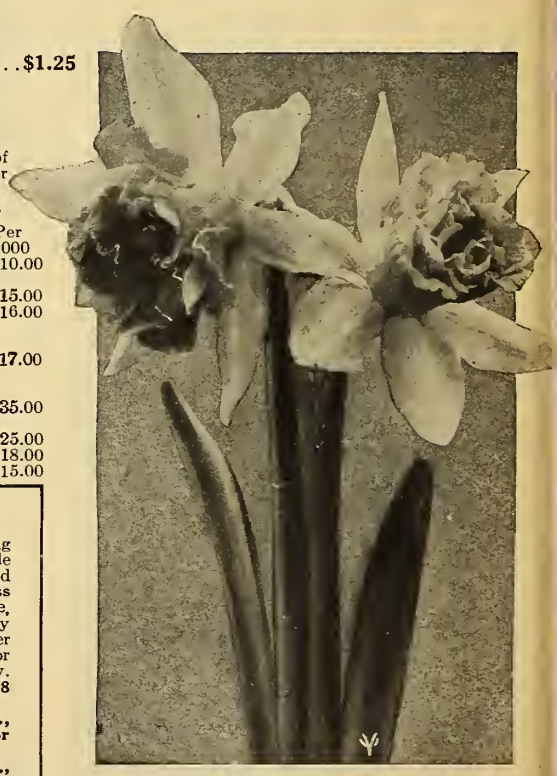
THESE bowls are especially adapted for growing Chinese Lilies, Paper White Narcissus, Double Sacred Lilies and some of the Polyanthus and Poetaz Narcissi in gravel and water. The **Glass Bowls** are most Suitable and ornamental for these, while the **Matt Green Earthenware Bowl** may be used for growing all bulbs in our prepared fiber—a successful and clean method for indoor cultivation. Can be forwarded by express only.

GLASS, 7 in. diam., each 30c; 3 for 80c; 8 in. diam., each 35c; 3 for $1.00.

MATT GREEN EARTHENWARE, 6 in., each 35c; 3 for $1.00; 8½ in., each 45c; 3 for $1.30.

GRAVEL, such as is used for above, **5 lbs., 20c; 10 lbs., 35c; per lb., 5c.**

FIBER—See page 11.



NARCISSUS VON SION
(Double Daffodil)

Various Bulbs

Allium Neapolitanum

THIS is one of the most beautiful bulbous plants for conservatory, house or window-garden. The flowers are star-shaped, and are produced in large, loosely-spreading umbels, on stems 20 inches high. Per doz., **20c**; per 100, **$1.00**; per 1000, **$7.00.** "Dozen" and "100" prices include postage.

Amaryllis

TO BE SUCCESSFUL with these bulbs, customers should follow closely our cultural directions. On receipt of the bulbs in autumn place them in damp moss in a temperature of 60 degrees, **and allow the flowering shoots to appear** before the bulbs are potted. When first potted give very little water, and promote growth by giving moderate bottom heat; increase the supply of water as the plants progress. The proper soil for Amaryllis is turfy loam enriched with rotten manure.

(Exp.)—Express at buyer's expense. **Price 'each' includes postage. Mailing weight, per doz. 6 lbs. Add postage at zone rates.**

Belladonna Major. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. **Each, 20c; per doz., $2.00; per 100, $15.00.**

Kerr's Hybrids. This is a magnificent new English strain far in a way ahead of anything previously offered. The stems are usually from 2 to 3 feet high, often carrying 3 immense blooms, the colors of which are amazing. There are whites, white striped pink and crimson, brilliant scarlet, crimson, beautiful pinks and other delicate shades that language fails in describing. A quantity of these was grown at our greenhouses the past year, and blooms exhibited at our store from time to time, attracted much attention and called forth praiseworthy comments. **Ea., 75c; doz., $7.50.**

Johnsoni. Has immense trumpet-shaped flowers, which measure 6 to 8 inches, across, are borne on strong, fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. **Large Bulbs, each, 25c; 3 for 70c; doz., $2.60; 100, $20.00. Mammoth Bulbs, each, 40c; 3 for $1.15; doz., $4.25; 100, $30.00. (exp.)**

Vittata Hybrids. These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers are exceedingly rich in color and markings, spikes are usually from 2 to 3 feet in height bearing from 3 to 5 enormous trumpet-shaped flowers **Each, 50c; doz.; $5.50; 100, $40.00. (exp.)**

Anemone (Windflower)

THE varieties offered below are charming hardy spring flowers, and are becoming better known and more popular as a garden flower. Both double and single are equally desirable, and no garden should be without them. They are suitable for pot or border culture, and when planted in masses are most effective. They succeed best in a light, rich, well drained loam. Plant in November, or as soon as the ground can be worked in the spring. If planted in the autumn, they should be covered with leaves, straw or long manure on the approach of winter. For pot culture, fill with any rich, porous compost, with good drainage, planting 4 roots in a 5-inch pot; place in a cold frame, or any moderately cool situation, giving very little water until the plants appear; then remove to the greenhouse or sitting room. **If by Parcel post, 1000 bulbs weigh 1 lb. Prices per dozen and 100 include postage.**

AMARYLLIS—Kerr's New Hybrids

COLCHICUM AUTUMNALE

Anemone—Continued

Ceres. Double white suffused with rose. Per doz., **35c**; per 100, **$2.25**; per 1000, **$18.00.**

Fulgens. The most brilliant and effective of all Anemones, dazzling vermilion-scarlet, with jet-black center; excellent for cutting. Per doz., **50c**; per 100, **$3.00**; per 1000, **$25.00.**

King of the Scarlets. Double bright scarlet. Per doz., **40c**; per 100, **$2.50**; per 1000, **$20.00.**

King of the Blues. Double very fine Blue. Per doz., **40c**; per 100, **$2.50**; per 1000, **$20.00.**

White. (The Bride), single. Per doz., **20c**; per 100, **$1.00**; per 1000, **$7.50.**

Single Mixed. All colors. Per doz., **20c**; per 100, **$1.00**; per 1000, **$7.50.**

Double Mixed. All colors. Per doz., **30c**; per 100, **$1.75**; per 1000, **$15.00.**

	Per Doz.	Per 100	Per 1000
St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single, 3 to 5 inches across and of the richest as well as the daintiest colors, markings, blendings, all having a distinct dark base. They have long stems, very graceful for vases	$0.35	$2.25	$18.00

Babiana

PRETTY little plant, bearing showy spikes of flowers, which are much characterized by their rich self-colors or the stricking contrast of very distinct hues in the same flower. Best when grown in pots. Mixed colors.

Per doz., 50c; per 100, $2.50, (post free); per 1000 $25.00.

Calla (Richardia)

Aethiopica (Arum or White Calla Lily). A well known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of August; re-pot in good, rich soil, using 6 to 8-inch pot, give water, light and heat in abundance and the result will be most satisfactory.

If by Parcel Post, add postage at Zone Rates.

	Per Doz.	Per 100	Per 100
First Size (1¼-1½ inch); weight, dozen, 1 lb.	$0.10	$1.00	$ 7.00
Select Size (1½-2 inch); weight, dozen, 2 lbs.	.15	1.50	11.00
Mammoth (2-2½ inch); weight, dozen, 3 lbs.	.25	2.75	20.00

Spotted Leaf. (Richardia Alba Maculata.) The leaves of this variety are deep green with numerous white spots, which give the plant a very ornamental appearance. The flowers are white with a black center; they grow freely either indoors or out. Mailing weight, dozen, 2 lbs.
Each, 10c; per dozen, $1.00; per 100, $7.00.

Golden Yellow. (Elliottiana). Rare and beautiful variety; same habit of growth as ordinary white Calla, flowers same size and shape, rich, clear, lustrous golden-yellow; foliage dark green, with translucent creamy spots. A large stocks enables us to offer strong bulbs.
Each, 20c; dozen, $2.00; per 100, $15.00. Add 5c each for postage.

Calochortus or Mariposa Tulip

THESE famous California flowers possess much delicacy and brilliancy of coloring. They resemble a tulip in shape, and are of many colors, shades and markings. **Mixed, per doz., 35c; per 100, $2.25; postpaid; per 1000, $18.00.**

BONE MEAL is the safest fertilizer for all bulbs. Try it in your potting mixture 2½ to 3 lbs. to the bushel. **Price, 5 lbs., 25c; 50 lbs., $1.25; 100 lbs., $2.35.**

Quantities, Depths and Distances apart, for planting bulbs are given on page 2

SPRING CROCUSES

Chionodoxa (Glory of the Snow)

THE Chionodoxa is one of our loveliest Spring flowers, and when established its sheets of blue in very early Spring are a great attraction in the garden. It should be largely used in borders and dotted over bulb beds, also massed on rockwork. Once planted it comes up year after year, the flower spikes increasing in size and beauty. Excellent in pots. **Prices include postage.**

	Doz.	100	1000
Lucillae. Bright blue with large clear white center (large cultivated bulbs)	$0.25	$1.25	$10.00
Sardensis. Intense deep blue (large cultivated bulbs)	.30	1.50	12.00

Colchicum Autumnale

Autumn-Flowering Crocus

EXTREMELY pretty in the Herbaceous border or among shrubs, and quite odd looking, as they bloom previous to making foliage—which does not appear until spring. They should be ordered at once if required to bloom this year, September and October being their flowering months.

Mailing weight, per dozen, 2 lbs.

	Each	Doz.	100
Autumnale Major, large, rich purple blooms	$0.10	$1.00	$7.00

Vaughan's Superb Crocus

Spring Flowering Varieties

ONE of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or where three or four rows are arranged in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. An effective method of planting is to scatter them over the lawn by digging up a small piece of sod here and there and placing one or two bulbs in each spot. This give a pretty effect in early spring, and the tops can be cut along with the grass safely when first mowing is made. The large-flowering named varieties are ornamental when flowered in pots six or eight bulbs in 5-inch size. They will not flower if exposed to heat, nor must severe forcing be attempted. It is a mistake to plant Crocuses too deeply, an inch of covering being quite sufficient, anything deeper may cause them to fail to bloom.

Dozen price includes postage. 100 bulbs weigh 3 lbs.

Albion, blue, striped white.
Baron von Bruno, dark blue.
David Rizzio, deep purple.
Dandy, blue.
Non Plus Ultra, blue, bordered white.
Othello, dark purple.
Mont Blanc, pure white.
La Majesteuse, white, violet stripe.
Madam Mina, white striped.
Sir Walter Scott, white, blue stripe.
Mammoth White.
Cloth of Gold, yellow and brown.
Cloth of Silver, white and lilac.
Select Yellow, choice bulbs.

Price, per doz., 15c; 100, $1.00; 1000, $8.00.

SPECIAL OFFER "W": 10 of each above, 140 bulbs, $1.25, Postpaid.

Vaughan's "Pride of Holland" Strain of Named Crocus

THIS is a special large flowered strain selected by one of our Dutch growers. They make larger bulbs and give larger blooms than ordinary named kinds, and are of special value for pot culture, the size of the blooms being very noticeable. We offer five colors. Please mention **"Pride of Holland"** strain when ordering.

Sir Walter Scott, white, blue striped.
Queen Victoria, pure white.
Mammoth Yellow.
David Rizzio.
King of Blues, fine blue.

Price, per dozen, 25c; 100, $1.50; 1000, $13.00.

Unnamed Crocus, Separate Shades

THESE bulbs are of good size and will produce large flowers and are excellent for grass planting and borders.

	Doz.	100	1000
White, **Blue and Purple,** **Striped and Variegated,** **Yellow,** large	$0.10	$0.65	$5.50

Vaughan's Special Mixture

Giant Flowered Crocus

WE make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoor in lawns, along borders or amongst shrubbery this mixture cannot be excelled.

Doz., **20c;** 100, **$1.15;** 1000, **$9.00.**

Dielytra Spectabilis (Bleeding Heart)

A VERY graceful pot-plant for greenhouse and room decoration, also for summer-flowering in shrubberies or shady borders. The elegant pendent branches are loaded with heart-shaped rosy crimson flowers, and furnished with graceful delicate green foliage. Height 1½ to 2 ft. Strong roots.

Each, 15c; 3 for 40c; postage 5c extra. Per doz, $1.50; dozen weigh 3 lbs.

Eranthis Hyemalis (Winter Aconite)

EARLY in spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green of cushion leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. 8 inches hig. (Price per dozen and 100 includes postage.)

Per doz., 20c; per 100, $1.00; per 1000, $8.00.

Erythronium (Dog's-Tooth Violet)

BEAUTIFUL plants, perfectly hardy; the foliage is usually charmingly variegated, and a mass of 15 or 20 plants is a pretty sight. Plants luxuriate in rather moist, partially shady positions, and do very nicely when grown in pots for winter blooming. **Price, per doz., 25c; per 100, $1.50 (postpaid); per 1000, $10.00.**

Vaughan's Giant Freesias

THESE are well known for their delightful fragrance, the new colored ones which we offer, adding a new charm to the class. They should be potted up in August and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards. The bulbs should be purchased at once so as to provide good root-growth before being taken indoors, which frost compels. **Dozen and 100 prices include postage.**

	Doz.	100	1000
REFRACTA ALBA. A fine variety bearing long sprays of fine white flowers. Very fragrant.			
Jumbo bulbs, each 5c.	$0.35	$2.50	$20.00
Mammoth bulbs.	.25	1.50	12.00
VAUGHAN'S PURITY. Flowers are of a magnificent snowy white, of very large size and great fragrance. One bulb will throw three to five flower-heads, each of which will have from eight to nine buds. One of the finest Freesias we have ever seen.			
Mammoth Bulbs, each 5c.	$0.40	$3.00	$25.00
Large Bulbs.	.30	1.75	15.00

VAUGHAN'S GIANT WHITE. A splendid snow-white variety producing an abundance of large sprays. The petals are reflexed at the tips, giving the flower an open star-shaped appearance. **Each, 5c; doz., 40c; 100, $2.50; 1000, $20.00.**

New Colored Freesias

THESE are rapidly winning favor on account of their lovely and unique colorings and shadings, very delicate fragrance. Each principal spike usually carries 7 to 9 flowers—while the side spikes, of which each bulb prodouces several, usually bear 5 to 6 flowers. The culture differs in no way from that of Freesia Refracta.

Each, 10c; per dozen, $1.00; per 100, $7.00; post free.

Scarlet Freesias

(Amomatheca Cruenta.) Dozen, 30c; per 100, $1.50; per 1000, $10.00.

Fritillaria Imperialis (Crown Imperial)

THE **Crown Imperial** is a stately hardy border-plant, very effective in Spring when grouped in woodlands, wild gardens, orchards, etc. For forming bold groups in the permanent border or on lawns it is of great value, and should be allowed to remain undisturbed. To obtain the best results, **plant the bulbs in September,** in a good, deep loam. **Each, 15c; 3 for 40c; per doz., $1.25 (postpaid).**

VAUGHAN'S GIANT FREESIAS

The Book "Vaughan's Flower Bulbs," 25c, or free with each order of $1.00 or over, if asked for.

Fritillaria Meleagris

SINGULAR dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors, yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable for pot culture and exceedingly pretty when grown in large groups in the garden border or wild dry situation. **Per doz., 25c; per 100, $1.50 (postpaid).**

Gladiolus, Early Fowering

FOR grace and beauty these early flowering Gladiolus cannot be excelled. Being of dwarf habit, they can be grown in cool conservatories or dwelling houses during the winter for flowering from March till May, but they are a hardy bulb and may be planted outdoors in the late fall, 4 to 6 inches deep, if protected with at least a covering of from 4 to 6 inches of leaves or dry manure; this protection must be removed early in the spring.

For Indoor Culture, place 6 to 12 bulbs in a pan filled with fairly sandy soil; place outdoors protected from frost until winter sets in, then remove to a light but cool corner of the cellar until February 1st, when they should be brought to gentle heat and light.

Price per dozen and 100 includes postage.

	Per Doz.	Per 100	Per 1000
Ackerman—Salmon, blotched with scarlet and carmine. Each, 3c	$0.30	$1.25	$10.00
The Bride (Colvillei Alba)—Bright, graceful variety, having pure white flowers. Each, 3c	.25	1.25	10.00
Blushing Bride (Delicatissima)—Flowers are large, blush white with pink blotches on three lower petals. Each, 2c.	.20	1.15	9.00
Cardinal Elegans—Fiery scarlet, flaked white; graceful drooping foliage; very exquisite. Each, 4c	.35	2.00	15.00
Fiery Knight—This is a specially striking and beautiful variety, and we can highly recommend it for all purposes. Dark scarlet, flaked violet. Each, 5c	.45	2.50	20.00
Peach Blossom—Splendid variety, producing graceful spikes of charming flowers, delicate rosy blush, blotched pale rose and cream, free bloomer and of fine vigorous growth. Each, 2c	.20	1.15	9.00
Queen of Holland—Pure white flaked light sulphur, bordered red. Each, 4c	.35	2.00	15.00
Sans Pareille—Light lilac, small blotch on lower petals. Each, 3c	.25	1.25	10.00
Sapho—Soft lilac, flaked white, bordered violet. Each, 4c	.35	2.00	15.00

Grape Hyacinth—See **Muscari,** page 22.

NEW EARLY GIANT IRIS

SPANISH IRIS

GLADIOLUS—The Bride

Bulbous Irises

New Early Giant Irises

THIS new race of Iris differs from the **Spanish Iris** in flowering a fortnight earlier and having larger flowers of greater substance, while the foliage is very broad and glaucous. They will be found valuable in giving a decoration in the garden in the period intervening between the late Cottage Tulips and the Spanish Irises. Their colors are bright and attractive. In very cold districts they should be given protection in winter.

We offer them in 6 distinct kinds, packed separately.

1 of each, 6 vars (postpaid) ..... $0.30 | **6 of each, 6 vars** (postpaid) $1.50
3 of each, 6 vars (postpaid) ..... .85 | **12 of each, 6 vars** (postpaid) 2.80

Spanish Iris (Iris Hispanica)

ONE of the most beautiful of our Spring flowers, coming into bloom when flowers are scarce, after all daffodils and tulips are over, and before the early Summer flowers are ready. When planted in pots and grown out of doors in the cold frame, they can be brought in when growth is well advanced, and will bloom late in March or early April.

Dozen and 100 prices include postage.

Named Varieties—Large Bubls

	Per Doz.	Per 100	Per 1000
Belle Chinoise, dark yellow	$0.20	$1.00	$ 8.00
British Queen, white, extra fine	.25	1.15	9.00
Beauty, porcelain blue	.25	1.25	10.00
Bronze Queen, the finest terra-cotta	.30	1.50	12.00
Cajanus, clear yellow, extra	.20	1.00	8.00
Count of Nassau, dark blue	.20	1.00	8.00
Darling, dark blue	.20	1.00	8.00
Hercules, dark bronze	.30	1.50	12.00
La Neige, snow-white	.25	1.15	9.00
Louise, beautiful shade of light blue	.20	1.00	8.00
Mia, blue-purple	.25	1.15	9.00
Reconnaissance, fine bronze	.30	1.50	12.00
Wouverman, beautiful orange yellow	.30	1.50	12.00
MIXED, all colors	.15	.75	6.00

English Iris (Iris Anglica)

THE varieties of English Iris are among the finest flowers we have in early summer. It got its popular name in a rather curious way, being sent from its Pyrenean home, where its distribution is limited, to Bristol traders, thence to Holland. The Dutch, supposing it to be a native of English shores, called it the English Iris. The flowers are quite distinct in aspect from those of the Spanish Iris and appear a fortnight later.

If by Parcel Post, dozen weigh ¾ lb.; 100, 6 lbs.	Each	Per Doz.	Per 100
Adelaine, white, violet striped	$0.06	$0.50	$2.50
Grand Lilas, light blue	.06	.50	2.50
Mont Blanc, pure white, large flower	.06	.50	2.50
Othello, dark blue	.06	.50	2.50
MIXED, all colors (per 1000, $15.00)	...	.30	1.75

Mourning Iris (Iris Susiana)

IMMENSE flowers, blush tinted brown and covered with a network of fine lines. Flowers to the end of May and grows about a foot high.

Each, 15c; doz., $1.50; 100, $10.00. Mailing weight, doz., ¾ lb.

(For other Irises see list of Perennial Plants.)

Ixia—See page 22.

6 bulbs of a kind supplied at dozen rate, 25 at 100 rate, 250 at 1,000 rate.

Vaughan's Lily Bulbs

We give away a FREE pamphlet on "Naturalizing Lilies" with each Lily order when asked for

The lily is one of the most beautiful and ornamental of bulbous plants. To those who have been unsuccessful in growing these bulbs we would recommend them to follow our cultural directions carefully.

Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained The bulb should be set about half-way below the surface or rim of the pot and barely covered with soil, thus leaving room to top dress with more soil when surface roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. **Thorough rooting is the most essential point.**

Lily Bulbs by Parcel Post.—Add postage at Zone rates on inside of front cover.

Size	3 Bulbs Weigh	Dozen Weigh
8- 9 in	½ lb.	4- 5 lbs.
9-11 in	1½-2 lbs.	6- 7 lbs.
11-13 in	2-3 lbs.	9-10 lbs.

Lilium Candidum

(Madonna, or Annunciation Lily)

THIS is one of the oldest, lovliest and best known Lilies. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring a position where it can get plenty of light and air. Blooms in the open ground about June 20th. We recommend early planting of this Lily, as it makes its leaf-growth in the fall, and thus prepares itself for early blooming. Orders should, therefore, be sent in on receipt of this Catalog.

	Each	Doz.	100
First Size	$0.10	$1.00	$7.00
Select Size	.15	1.25	8.00
Mammoth Size	.20	2.00	15.00
Jumbo Size	.50	5.00	30.00

Lilium Harrisii

(True Bermuda Easter Lily)

This mammoth white Trumpet Lily, with flowers 4 or 5 inches long, is the best of all Lilies for winter forcing and flowering. Has large, handsome, trumpet-shaped flowers, pure white, and of a delicious fragrance; very free-flowering, the smallest size bulbs producing freely. Can be had in bloom indoors from Christmas to Easter. For blooming at Christmas, it is best to order bulbs as soon as you receive this catalog. Owing to the dry season on the island where these bulbs grow, we are only able to furnish these in two sizes.

	Each	Doz.	100
Select Size (7 to 9 inches)	$0.20	$2.00	$15.00
Mammoth Size (9 to 11 inches)	.50	5.00	30.00

Lilium Longiflorum Giganteum

(Japanese Easter Lily)

Best of all lilies for indoor pot culture; bulbs planted when received, about latter part of September, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection), it is splendid for outdoor planting and should be used with Candidum for succession of bloom, as it flowers about July 10th, right after the Candidum has flowered.

	Each	Doz.	100
First Size (6 to 8 inches)	$0.08	$0.75	$5.00
Select Size (7 to 9 inches)	.10	1.00	7.00
Mammoth Size (9 to 10 inches)	.20	2.00	15.00

Lilium Formosum

(Japanese Easter Lily)

This improved type of the well known Lilium Longiflorum, also called the "Easter or St. Joseph's Lily," comes from the Island of Formosa. The plants are of healthy, strong growth—about 3 feet high, and produce beautiful snow-white, trumpet-shaped flowers, 6 to 8 inches long. It is perfectly hardy (if given a little protection) and a splendid garden lily, blooming in the open in June and July. It is not quite as early as Lilium Harrisii.

	Each	Doz.	100
First Size (6 to 8 inches)	$0.10	$0.90	$6.00
Select Size (7 to 9 inches)	.12	1.25	9.00
Mammoth Size (9 to 10 inches)	.20	2.00	15.00

Creole Lily

We first introduced this lily two years ago, and those who have tried it have been very successful. It is a cross between the Lilium Longiflorum and Lilium Harrisii, both of which it resembles. It has proved to be almost free from disease and a very strong grower.

	Each	Doz.	100
Select Size (8 to 9 inches)	$0.20	$2.00	$15.00

Order Lilium Candidum at Once for Early Fall Planting.

Vaughan's Lily Bulbs

For Pot Culture or Outdoor Planting in Beds or Hardy Plant Border

FOR color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the Hardy Plant Border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Note.—Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with 6 or 8 inches of leaves or manure so the bulbs may be planted on arrival. Lilium Harrisii and Candidum are ready in August; all others in November.

When asked for we give a free pamphlet, "Naturalizing Lilies," with each order for lily bulbs. **If by Parcel Post, see weights on page 20.**

Lilium Auratum

(The Gold-banded Lily of Japan)

THE most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Each	Per Doz.	Per 100
First Size, (8-9 in.)	$0.15	$1.25	$ 7.00
Mammoth, (9-11 in.)	.25	1.75	12.00
Monster, (11-12 in	.35	2.50	15.00

Auratum Platyphyllum

THIS is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping, and of greater substance.

	Each	Per Doz.	Per 100
First Size, (8-10 in.)	$0.25	$2.50	$15.00

Lilium Myriophyllum (New)

A NEW and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for outdoor planting. **Each, 75c; per doz., $7.50.**

Lilium Speciosum

THESE lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum and Melpomene** types.

	Each	Per Doz.	Per 100
ALBUM—Pure white.			
First Size, (8-9 in.)	$0.25	$1.75	$12.00
Mammoth, (9-11 in.)	.30	3.00	16.00
RUBRUM—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class.			
First Size, (8-9 in.)	.20	1.40	8.00
Mammoth, (9-11 in.)	.30	2.25	13.00
Monster, (11-12 in.)	.35	3.50	20.00
MELPOMENE—White, spotted and splashed with deep crimson.			
First Size, (8-9 in.)	.20	1.50	8.00
Mammoth, (9-11 in.)	.30	2.50	14.00

LILIUM SPECIOSUM RUBRUM

LILIUM AURATUM

Lilium Auratum Rubro-Vittatum

A BEAUTIFUL, distinct and imposing Lily of the Auratum type, producing flowers quite as large as the Golden-rayed variety, but instead of the golden rays there is down the center of each long recurved petal a heavy band of crimson, accompanied by crimson spots on a pure white ground.

Strong Flowering Bulbs, Each, 30c; per doz., $3.00; per 100, $20.00.

Various Hardy Lilies

"Each" and "dozen" prices include postage (except Lilium Candidum).

	Each	Per Doz.	Per 100
Brownii. Immense handsome trumpet-shaped flowers, 8 to 10 inches long. Pure white inside brownish fawn outside. Blooms in July	$0.75	$7.50	
Canadense. (Meadow Lily.) Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Perfectly hardy. Fine bulbs	.10	1.00	$7.00
Candidum—See page 20.			
Henryi. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown	.40	4.00	30.00
Elegans Aurora. Deep, rich orange suffused scarlet	.15	1.50	10.00
Elegans Leonard Joerg. Rich apricot, spotted	.10	1.00	7.00
Elegans Painted Chief. Bright flame color	.10	1.00	7.00
Elegans Robustum. Orange spotted maroon	.10	1.00	7.00
Elegans Mixed	.10	1.00	7.00
Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable	.50	5.00	35.00
Krameri. Delicate rose pink of elegant outline and graceful habit. Blooms in July	.25	2.00	15.00
Pardalinum—(Leopard Lily). Rich scarlet and yellow, spotted rich brown	.10	1.00	7.00
Superbum. The finest of the native Lilies. Flowers bright orange, spotted purple	.10	1.00	7.00
Tennuifolium—(Siberian Lily). A native of Siberia; one of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; blooms early in spring	.10	1.00	7.00
Tigrinum Splendens. Very hardy native Lily; orange, spotted purple	.08	.85	6.00
Tigrinum Flore Pleno—(Double Tiger Lily). The well known double Tiger Lily. Rich orange blossoms, 4 ft.	.10	1.00	7.00
Tigrinum Fortunei—(Improved Tiger Lily). Bulbs will produce more flowers than the ordinary variety	.15	1.50	10.00
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff, and apricot.	.10	1.00	7.00

We supply 6 bulbs of a kind at dozen rate, 25 at 100 rate, and 250 at 1000 rate.

MUSCARI (Grape Hyacinth)

Muscari (Grape Hyacinth)

BEAUTIFUL little flowers for planting in masses either in shade or sun. Once planted, they multiply rapidly and send up flower stems by the score each year. Also adapted for growing indoors. Plant six bulbs in a five-inch pot. Perfectly hardy.

Botryoides (Blue). Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. **Per dozen, 20c; per 100, $1.15; per 1000, $9.00 (postpaid).**

Botryoides Album (Pure White). This is a beautiful companion to the above, and they make a striking show when planted together. **Price, per dozen, 25c; per 100, $1.25; per 1000, $10.00 (postpaid).**

Plumosum (Ostrich Feather or Plume Hyacinth), bearing large broad plume-like heads of a pretty mauve color. **Price, per dozen, 30c; per 100, $1.50; per 1000, $12.00 (postpaid).**

Ornithogalum Arabicum (Star of Bethlehem)

TALL spikes bearing large heads of white flowers with glistening black centers. This is a glorious bulbous plant, grown in a warm sunny border outside, or in pots for conservatory decoration; it forces well, and can be had in bloom by Easter, it lasts long in flower. Height, 1½-2 ft. Extra fine flowering bulbs. **Price, per doz., 30c; per 100, $2.00; per 1000, $15.00 (postpaid).**

Vaughan's Giant Ixias

MUCH admired for their brilliant colors and graceful flower-stalks, resembling miniature Gladiolus. Colors include many shades of yellow, pink, scarlet and crimson. The center of the flower is always a distinct dark color and the contrast in full sunlight is very striking. Plant six or eight bulbs in a 6-in. bulb-pan, covering them 1 in. Not hardy, only in California or similar climates. **Prices include postage.**

Alba. Splendid white, purplish crimson eye, well shaped flowers. **Each, 3c; per doz., 30c; per 100, $1.50.**

Crateroides Major. Bright scarlet, the earliest of all, good for forcing. **Each, 3c; per doz., 30c; per 100, $1.50.**

Wonder. Bright rose, beautiful self colored variety. **Each, 3c; per doz., 30c; per 100, $1.50.**

Sunbeam. Rich orange, with crimson stripes. **Each, 3c; per doz., 30c; per 100, $1.50.**

Viridiflora (The Green Ixia). Flowers sea-green, with black eye. **Each, 3c; per doz., 30c; per 100, $1.50.**

Extra Fine Mixed, per doz., 15c; per 100, 75c; per 1,000, $6.00.

Leucojum Vernum

(Spring Snowflake)

PRETTY bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing in rich soil from 1 to 2 ft. high, and producing freely beautiful large white flowers, distinctly tipped with green; excellent for cutting. When once planted, they take care of themselves. Should have a place in all hardy collections, particularly shady nooks; can be grown in pots. **Per doz., 30c; per 100, $1.50; (postpaid): per 1000, $12.00.**

RANUNCULUS—Turban

Oxalis

MOST of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil, with considerable light, for their successful growth. **Dozen and 100 prices include postage.**

Alba. White. **Per doz., 30c; per 100, $1.50; per 1000, $12.00.**

Bermuda Buttercup. A profuse bloomer. The flowers, which are borne in clusters, are of a bright canary yellow, and make a beautiful contrast against the background of dark green foliage. Strong bulbs. **Per doz., 35c; per 100, $1.75; per 1000, $15.00.**

Boweii. Clear red. **Per doz., 35c; per 100, $1.75; per 1000, $15.00.**

Cernua Lutea. Yellow. **Per doz., 30c; per 100, $1.50; per 1000, $12.00.**

Cernua Lutea. fl. pl. (New.) Double yellow. **Per doz., 40c; per 100, $2.25; per 1000, $20.00.**

Deppei Speciosa. Light carmine. **Per doz., 20c; per 100, $1.15; per 1000, $8.00.**

Grand Duchess (Lavender, White or Pink). Flowers are large, often measuring 3 in. in diameter, and are borne well above the foliage, the leaves being large, clover-shaped. **Per doz., 30c; per 100, $1.50; per 1000, $12.00.**

Hirta Rosea. Pink. **Per doz., 25c; per 100, $1.25; per 1000, $10.00.**

Mixed. Fine assortment. **Per doz., 15c; per 100, 75c; per 1000, $6.00.**

Lily of the Valley (Ready in November)

AN old, well known favorite; principally used for winter forcing. Very fragrant and producing in abundance. For indoor culture, plant about 25 pips or roots in a 7-in. pot or pan, place outside, where they should be left until they have been subjected to several nights of freezing, which brings them into flower more readily. When grown outdoors, always plant in a shaded place, preferably moist. They bloom in eight weeks inside; and, if planted at intervals, a succession of flowers can be had all winter. While the pips are adapted for outdoor culture, we especially recommend the clumps for this purpose, as they give a quicker and better effect at less cost. **Price, per bundle of 25, includes postage; 100 pips weigh 5 lbs.; average weight of each clump is 3 lbs. Postage extra, as per rates on inside of front cover.**

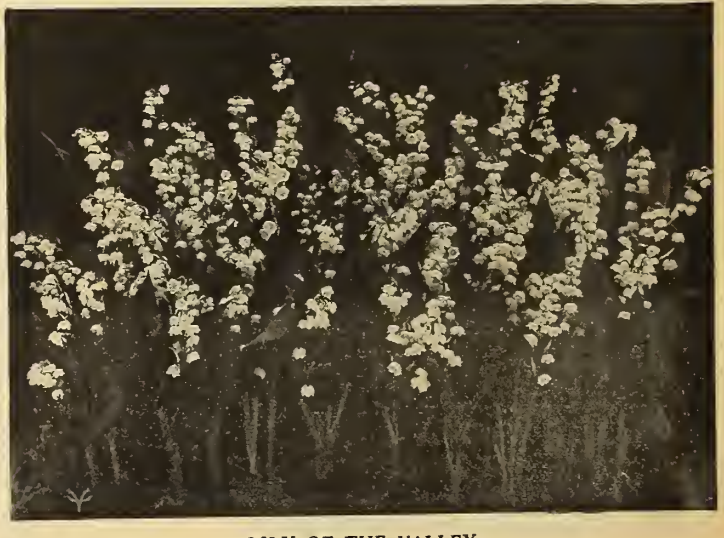
Vaughan's Perfection Pips. These are specially selected and produce the largest sprays of bells. **Per 25, 90c; per 100, $2.50; per 1000, $20.00.**

Fortin's New Giant Valley. The finest of all "Valley," having larger bells and longer and stouter stems than any other. Unsuitable for forcing. **Per 25, $1.00; per 100, $2.75.**

Large Imported Clumps. For outdoor planting in a shady moist position; these will give better bloom than the pips. **Each, 30c** (postage extra); **per doz., $3.00; per 100, $22.00** (exp.).

Valley From Cold Storage

For forcing. Flowers in about 3 weeks. **Case 500 pips, for $11.00; case 1000 pips, for $20.00.**



LILY OF THE VALLEY

The Book, "How to Grow Bulbs," 25c, or free with every order of $1.00, if asked for.

Puschkinia Libanotica

AN exceedingly beautiful spring flower, somewhat resembling a Hyacinth or Campanula bell. The flowers are pure azure-blue and last a long time. Makes a very showy border, and very effective when planted in clusters on rockeries, or in the hardy plant border. It is perfectly hardy, and can be left undisturbed for years. **Per doz., 20c; per 100, $1.00; per 1000. $9.00.**

Ranunculus (Buttercup)

NOTHING produces a brighter or more gorgeous effect in June and July than beds of Ranunculus; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil, but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, **claws downwards,** and cover them with sand, then with soil; keep the crown of the tuber two inches under the surface. During dry weather the plants should be given abundance of water.

Prices Include Postage.

	Per Doz.	Per 100	Per 1000
PERSIAN, Fireball. Vermillion	$0.25	$1.25	$10.00
Hector. White pointed brown	.25	1.25	10.00
Mont Blanc. Pure white	.25	1.25	10.00
Zwarte Konig. Black	.25	1.50	12.00
Mixed. All colors	.20	1.00	7.00
FRENCH, Princess Alice. Yellowish white	.25	1.25	10.00
Radetsky. Fine scarlet	.25	1.25	10.00
Sulphurex. Light brown	.25	1.25	10.00
Mixed. All colors	.20	1.00	7.00
TURBAN. Hercules. Pure white	.35	1.75	15.00
Merveilleuse. Orange-yellow	.35	1.75	15.00
Romano. Scarlet	.25	1.25	10.00
Mixed. All colors	.20	1.00	7.00

Snowdrops (Galanthus)

IN early spring there is nothing more beautiful than graceful blossoms of the snowdrop. Beds and effects of surpassing beauty may be arranged with Snowdrops in the center, edged with Scilla Sibirica, or Chionodoxas. In beds of Tulips and Hyacinths, Snowdrops are very effective between the lines: they flower while these bulbs are just moving to the surface, and when the flowers are over there remains an elegant groundwork of green foliage. Used as a permanent edging, and in masses on the edges of lawns, nestling in the grass, they look charming. Snowdrops are easily flowered in pots during the winter.

Prices per dozen and 100 include postage.

	Per Doz.	Per 100	Per 1000
SINGLE (Largest Bulbs)	$0.25	$1.25	$10.00
DOUBLE (Largest Bulbs)	.35	2.00	15.00

SCILLA CAMPANULATA

Scillas (Squills or Wood Hyacinths)

AS edgings and masses in beds and borders, Scillas are most valuable, and produce a grand effect in flower and shrubbery borders, and are most valuable for wild gardens and woodlands, where they should be largely naturalized. They succeed in shady flower borders and bare shady places, and odd corners which often have a desert-like appearance in the flower garden can by their use be rendered bright and cheerful.

Prices per dozen and 100 include postage.

	Per Doz.	Per 100	Per 1000
SIBIRICA (The Blue Squill)—Bright blue, nothing more beautiful for edgings or pots in early spring, flowering with the Snowdrop. Height, 4 inches.			
Jumbo Bulbs	$0.35	$2.00	$15.00
Mammoth Bulbs	.25	1.25	10.00
Select Bulbs	.20	1.00	8.00
CAMPANULATA—Large bells, clear blue, very erect habit. (15 in.)	.20	1.15	9.00
Alba. Pure white (12 in.)	.15	1.00	8.00
Rosea. Fine rose (15 in.)	.20	1.15	9.00

Sparaxis

BEAUTIFUL flowers, about 2 inches across, borne on long, graceful spikes; the colors are of the most telling combinations and of the brightest shades.

Price, per doz., 20c; per 100, $1.00 (postpaid); per 1000, $7.00.

Spiraeas (Ready in November)

THESE are remarkably elegant and graceful plants; with large heads of pink and white flowers, and are strongly recommended for early forcing. Use as small a pot as the clump will conveniently fit in, with good drainage, and water regularly twice a day. **If by Parcel Post, each clump weighs from 1½ to 2 lbs.**

GLADSTONE. Produces enormous spikes of pure white flowers and resplendent with foliage of beautiful green.
Each, 20c; doz., $2.00.

QUEEN ALEXANDRA (Pink). Of a clear pink color. does not fade with age, with dense compact spikes. **Each, 25c; doz., $2.50.**

Triteleia Uniflora

A PRETTY little blue and white flower for edging beds and borders of taller spring flowering bulbs. (4 in.)

Price, per doz., 20c; per 100, $1.00 (postpaid); per 1000, $7.00.

Trillium Grandiflorum

NATIVE WOOD LILY. Flowers pure white, turning in a few days to a soft rose. Very hardy. (12 in.) **Price, per doz., 75c; per 100, $4.00 (postpaid); per 1000, $35.00.**

6 Bulbs of a kind supplied at dozen rate; 25 at 100 rate; 250 at 1000 rate.

Vaughan's Giant Pansies

PANSY—Vaughan's International Mixture

	⅛ Oz.	Pkt.
Bridesmaid. Ground color rosy white, with dark blotch in center	$0.40	$0.10
Coal Black. A jet black of truly giant size	.25	.10
Emperor William. Splendid ultra marine blue with purple eye	.25	.10
Fiery Faces. Rich scarlet with gold edge and yellow center	.35	.10
Lord Beaconsfield. Rich combination of purple and lavender, shading to white near the top	.25	.10
Madam Perret. Dark wine, pink and red, beautifully veined and all with a white margin	.25	.10
Masterpiece or Spencer. The flowers are fluted and curled so as to appear double. Colors are varied and beautiful	.75	.20
President Carnot. Ground color white, while each petal has a blotch of dark violet	.40	.10
President McKinley. The ground color is golden yellow, while each petal has a blotch of dark violet	.50	.10
Psyche. The characteristic five velvety blotches are surrounded by a broad white edge, curled and undulated	.45	.10
Pure White. Pure white without blotches	.30	.10
Pure Yellow. Pure golden yellow without blotches	.30	.10
Vulcano. Color bright dark red, each petal being marked with a very large dark blotch, the edges curled like Masterpiece	.40	.10
White with Eye. White with large violet blotch on three lower petals	.25	.10
Yellow with Eye. Clear yellow, heavily blotched on the lower petals	.25	.10

Vaughan's Collection of Giant Pansies

One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White, Pure Yellow, Madam Perret, 7 pkts., for **25c.**

Vaughan's International Mixture

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and one which we maintain most carefully, not alone as to quality, but in vitality and germination. **Price,** 5 pkts., **$1.00;** 3 pkts., **65c;** per pkt. (250 seeds), **25c.**

Vaughan's Giant Mixture

Includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. ⅛ oz., **$1.00;** 1 pkt. (250 seeds), **20c;** 3-20c pkts., **50c;** 125 seeds, **10c.**

WINTER FLOWERING SPENCER TYPE

Annuals for Fall Planting

One pkt. each, eight varieties for **50c;** or they may be purchased separately at prices attached.

LATE last Fall we planted in our Nursery at Western Springs, Ill., seeds of a few hardy annuals to discover what varieties would give the best results in this latitude. Early in June of this year, before the Annuals which were planted this Spring were in bloom, the following from fall sown seed were in bud and full flower

	Pkt.
Delphinium, Double Giant Hyacinth Flowered Mixed	$0.05
Hunnemannia Fumariaefolia, (Bush Escholtzia)	.05
Calendula, Orange King	.05
Calliopsis Drummondi, Golden Wave	.05
Antirrhinum, Vaughan's Special Mixture	.15
Brachycome Iberidifolia, Blue	.05
Candytuft, Giant Hyacinth Flowered White	.10
Erysimum Perofskianum	.10

Sweet Peas

For Greenhouse Planting

WINTER FLOWERING—Spencer Type	Pkt.	Oz.
Anita Wehrman. Clear lavender	$0.25	$1.00
Mrs. A. A. Skaach. Flowers exceedingly large, much fluted, usually four to a stem, bright shell pink	.25	1.00
Mrs. J. Manda. Light shell pink, extra long stems	.20	.85
Mrs. Woodrow Wilson. Appleblossom pink	.35	1.20
Pink and White. Blanche Ferry Type. One of the best commercial varieties	.25	1.00
President Woodrow Wilson. Magenta rose	.25	1.20
Rose Queen. Beautiful rose pink	.50	3.00
Selma Swensen. Clear light soft pink	.25	1.20
Venus. Perfect shape, standard white, wings slightly blushed	.25	1.00
White Orchid. White flowers of good substance	.25	1.00
Yarrawa. The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff, with blush wings. The flowers are exquisitely waved, many being double flowered and produced on long stems	.20	.85
Winter Flowering Spencers, Mixed	.20	.85

For Outdoor Planting

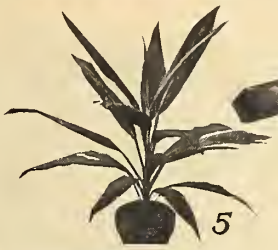
SOWING in late November or early December in the open ground secures flowers earlier in the season than from seeds grown in spring, and the root growth is stronger, so it carries a plant through a dry season better, and the season of blooming is prolonged.

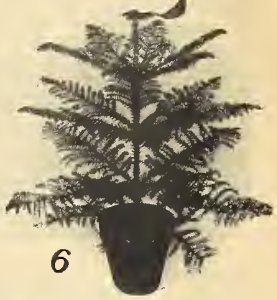
Collection 10 Best Sweet Peas

One (regular size) packet of each, **10 for 50 cents,** postpaid.

Orange. Edrom Beauty.
White. King White.
Lavender. Margaret Madison.
Pale Pink. Elfrida Pearson.
Old Rose. Rosabelle.
Picotee Edged. Dainty.
Bicolor. Mrs. A. Ireland.
Crimson. King Edward VII.
Deep Pink. Hercules.
Maroon. Nubian.

Decorative Plants





FOR HOUSE AND CONSERVATORY

THESE make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from **$2.00; $3.00, $5.00** and up to **$30.00** in some varieties.

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

Plants by Mail. Small plants, **when ordered at the "each" price,** will be sent, free by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Small orders, accompained by extra money for postage, will be sent by mail if so instructed; a list of postal rates for the different zones will be found on inside of front cover. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. We strongly urge this method of transportation, as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. A. or Canada when sent **by express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

ARAUCARIA (Norfolk Island Pine) (Fig. 6.) 12 in. high, **$1.00 each.** Larger Plants, **each $1.50, $2.00, $3.00** and **$5.00.**

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration. 2½ inch **each 15c; doz. $1.50;** 3½ inch **each 25c; doz. $2.50.**

Sprengeri. Suitable for hanging baskets and porch boxes. 2½ in. pots, **each 15c; doz. $1.50.** 4 in. pots, **each 25c; doz. $2.50.**

ASPIDISTRA (Iron Plant.) Green or Variegated. **$1.50 and $2.00 each.**

AUCUBA Japonica Variegata (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, **each, $1.00; 3 for $2.75;** 24 to 30 in. high, **each $2.00; 3 for $5.50.** If wanted in tubs add **50c** to the above prices.

AZALEAS. Fine winter-blooming house plants. Colors from pure white to deep crimson-scarlet. Plants freshly imported ready Nov. 1st.

12 to 14 inches, by express, each	**$1.00**
14 to 16 inches, by express, each	**1.50**

For larger sizes write for prices.

BAY TREES—Standard or Tree Shaped.

Stem	Crown	Each	Pair
30 to 36 in.	24 in.	$ 9.00	$16.50
42 to 45 in.	26 in.	10.00	18.00
42 to 45 in.	30 in.	15.00	28.00
45 to 48 in.	34 in.	18.00	34.00
45 to 48 in.	40 in.	22.00	40.00

BOXWOOD. Sheared into compact shape these Box Trees make beautiful specimen plants in any form which can be used for all decorative purposes like the Bays, but at less expense. The Bush plants can also be used with telling effect for window boxes. All except the bush shaped plants are in new green tubs.

	Each	Pair
2½ ft. Pyramid	$3.00	$5.50
3 ft. Pyramid	4.00	7.50
4 ft. Pyramid	6.50	12.00

Globe Shaped

	Each	Pair
15 in. high, 15 in. diam	$4.00	$7.50
18 in. high, 18 in. diam	5.00	9.00

Bush Shaped

Height	Each	Pair	Doz.	100
10-12 in.	$0.50		$5.00	$38.00
18 in.	.85	$1.60	9.00	
24 in.	1.50	2.50		
36 in.	3.25	6.00		

CALADIUMS, Fancy Leaved. (Fig. 3.) Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Dormant bulbs, ready in January, **each 30 cents; 6 for $1.50; doz. $2.50, postpaid.**

CHRYSANTHEMUMS. Bush plants in bloom, ready for delivery from October 20th to November 20th, in all colors, from **75 cents each** and up to **$2.50** and **$5.00.**

CROTONS. (Fig. 2.) The richest of all variegated plants, fine for indoor culture. Large plants, **each 50 cents; specimens, each $1.00, $1.50, $2.00 and $3.00 (by express).**

CYCLAMEN, Dark Crimson, Dark Rose, White and Pink. 4 in pots, **each 50c;** 5 in. pots, **each $1.00;** 6 in. pots, **$1.50 to $2.00 each (by express).**

CYPERUS ALTERNIFOLIUS. (Umbrella Plant). Excellent house or aquatic plant. 3 in. pots, **each 15 cents;** 4 in. pots, **each 25 cents.**

DRACAENAS, Massangeana (Fig. 4.) and **Terminalis** (Fig. 5.) in various sizes for conservatories. **75 cents to $2.00 each by express.**

FERNS, Boston. Long, gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **50 cents, 75 cents, $1.25 each.** Specimens, **$3.00 to $6.00. All by express.**

Cybotium Schiedei (Fig. 1). A very ornamental fern for room or hall. **Each 75c.**

Cyrtomium Rochfordianum (Holly Fern). Withstands varying temperatures, making it a useful house plant. 4 in. pots. **Each 25c.**

Nephrolepis Roosevelt, Jr. ("Teddy Jr.") A sport from the Boston, producing short but broader fronds, tapering from base to tip, which droop gently, forming a very graceful plant. Small plants, **each 20 cents; 3 for 50 cents, postpaid.** Larger plants, **75 cents to $2.50 each (express).**

Nephrolepis Whitmani (Ostrich Plume Fern). Finely divided fronds, resembling a plume. **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **75 cents and $1.25 each (express).**

Adiantum Hybridum (Maiden Hair). Each 20c; 3 for 50c, postpaid.

BOSTON FERN

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. **15 cents each; 3 for 40 cents; 10 for $1.00 postpaid.**

FICUS Elastica (Rubber Tree). 12 in. high, **50c each, by express.**

FICUS Repens. A trailing or creeping variety with small foliage; useful for baskets. Small plants, **each 20 cents; 3 for 50 cents postpaid.** Larger plants, **each 35 cents. (Express.)**

GARDENIA Veitchii. A grand fragrant plant or shrub. 3 in. pots. **Each 30c.**

HYDRANGEA Otaksa. Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-yr. at **50 cents each;** 3-yr. at **$1.00 each.** Specimens in tubs, **$3.00 and $5.00. (Express.)**

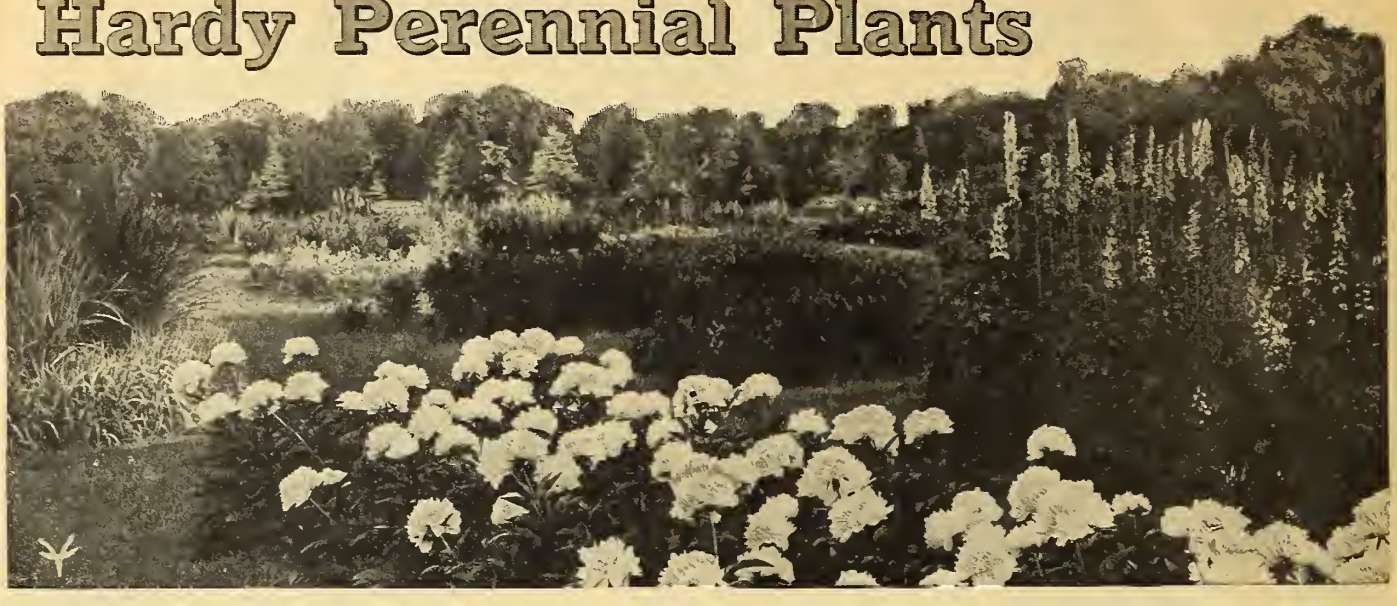
PALMS. We have **Kentia Belmoreana** and **Forsteriana,** and **Phoenix Canariensis** and **Roebelenii;** fine plants at **50c, 75c, $1.00.**

PANDANUS (Screw Pine) Utilis. Green leaves, red spines. **50c and 75c. (Exp.) Veitchii.** Variegated green and white. **$1.00, $2.00 and $3.00 each. (Exp.)**

PLUMBAGO Capensis. Beautiful blue flowers. **Each 15c; 3 for 40c. Capensis Alba.** White. **Each 15c.**

SCILLA Maritima (Sea Onion.) An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. **Each, 15c, 20c and 35c.**

Hardy Perennial Plants



Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

We cannot furnish list of varieties in these collections but will send out everything labeled.

No. 21—	Hardy Plants	25	first class plants in variety for				$ 3.00
No. 22—	"	"	50	"	"	"	5 00
No. 23—	"	"	100	"	"	"	9 50
No. 24—	"	"	250	"	"	"	23 00
No. 25—	"	"	500	"	"	"	45 00
No. 26—	"	"	1000	"	"	"	85 00

Plants and Bulbs for Spring Effect

All the varieties of plants marked thus § in the following lists are especially desirable for **planting in the fall** with bulbs—more particularly with Daffodils, and Darwin and Cottage Tulips. The majority are of dwarf habit, perfectly hardy and produce striking effects as edgings or carpeting to beds or borders where bulbs are planted.

About Prices

Where the price each is given, the following are our rates for 3 of a kind.

Each	3 for	Each	3 for
$0.10	$0.25	$0.35	$1.00
15.... per 100, $10.00	40	40	1 10
20.... per 100, 12.00	50	45	1 25
25.... per 100, 15.00	65	50	1 40
30	80		

Parcel Post

The following are the approximate weights of plants which can be sent by Parcel Post. Parcel Post rates are given on inside of front cover, and on order sheet of this catalog. Please add postage at zone rates.

	3 Plants	6 Plants
Plants, in 2½-inch paper pots	1 lb	2-3 lbs.
Plants, in 4-inch paper pots	3-4 "	7-8 "
Perennial Plants, (Paper wrapped)	1½-2 "	3-4 "

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ACANTHUS Mollis	Bear's Breach	July-Aug.	Purple and White	4 ft.	15c	$1.50	Handsome ornamental foliage-plants producing during July and August characteristic stately spikes of flowers giving a distinctly pretty effect.
ACHILLEA	Milfoil. Yarrow.						
Millefolium Roseum		June-Aug.	Pink	2 ft.	15c	1.50	Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting. Perry's White is a new variety and is the best of its class.
Parker's Variety		June-Aug.	Yellow	4-5 ft.	15c	1.50	
Ptarmica, Boule de Neige (Ball of Snow)		June-Aug.	White	2 ft.	15c	1.50	
The Pearl		June-Aug.	White	2 ft.	15c	1.50	
Perry's White (New)		June-Aug.	White	2 ft.	25c	2.50	
ACONITUM	Monkshood						
Bicolor		Aug.-Sept.	Blue and White	2½ ft.	25c	2.50	Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. Spark's variety is a rare plant and darkest of all.
Spark's var		Sept-Oct.	Dark Blue	5 ft.	25c	2.50	
§AJUGA							
Reptans Atropurpurea	Bugleweed	May	Blue to Rose	3 to 6 in.	15c	1.50	Useful for rockery and ground carpet, especially in places too shady for grass.
ANCHUSA	Alkanet						
Italica, Dropmore Variety		May-June	Blue	5-6 ft.	25c	2.50	Forget-Me-Not like, blue flowers, borne in great profusion. One of the best blue perennials, coming into bloom before the Delphinums, and continuing in flower throughout the summer.
Myosotidiflora		May-June	Bright Blue	1 ft.	20c	2.00	
Opal		May-June	Pale Blue	3 to 4 ft.	15c	1.50	
ANEMONE	Wind Flower.						
Canadensis		June-Aug.	White	1 ft.	15c	1.50	Canadensis is a pretty flower producing its white flowers in profusion throughout the summer. Sylvestris thrives well in shade.
Japonica	These should be planted in the spring.						
ANTHEMIS	Marguerite.						
Kelwayi		May-July	Yellow	1 ft	15c	1.50	These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow, Tinctoria being of a lighter shade than Kelwayi; both are very floriferous.
Tinctoria		June-Sept.	Lemon Yellow	2 ft.	15c	1.50	
AQUILEGIA	Columbine.						
Canadensis		June-Aug.	Red and Yellow	2 ft.	15c	1.50	The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and great value for massing, and with their long stems are splendid for cutting.
Chrysantha	Spurred	June-Aug.	Golden Yellow	3 ft.	15c	1.50	
Alba	Spurred	June-Aug.	Pure White	2 ft.	15c	1.50	
Coerulea	Spurred	June-Aug.	True Blue	1 ft.	15c	1.50	
Hybrida	Spurred	June-Aug.	Mixed	1 ft.	15c	1.50	
Nivea Grandiflora		June-Aug.	White	2 ft.	15c	1.50	
Rose Queen	Spurred	June-Aug.	Beautiful Pink	1 to 1½ ft.	15c	1.50	
Vulgaris Alba Fl. Pl.		June-Aug.	Double White	2 ft.	15c	1.50	
Long Spurred Mixed		June-Aug.	Mixed	1½ to 2 ft.	15c	1.50	
ARABIS							
§Alpina	Rock Cress	April-May	White	6 in.	15c	$1.50	Arabis thrives well in a hot, dry situation and makes a good covering for walls or rock garden, also front row in hardy border, and can be planted in beds filled with Hyacinths and Tulips in Fall.

Darwin Tulips planted among Perennial plants make a gorgeous display in May

ARTEMISIA LACTIFLORA

CAMPANULA (Canterbury Bell)

DIELYTRA (Bleeding Heart)

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
ARMERIA	Thrift, Sea Pink						
?**Laucheana**		May	Rose	6 in.	15c	1.50	Armerias require a well drained loam. A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.
ARTEMISIA	Southern Wood						
Lactiflora		Sept.-Oct.	White	4-4½ ft.	20c	2.00	A useful class of plants either for the perennial border or the shrubbery. This variety is especially desirable, producing long, graceful panicles of creamy white flowers.
ASCLEPIAS							
Tuberosa	Butterfly-Weed	June-Aug.	Bright Orange	2 ft.	15c	1.50	Requires good, deep soil and full sun. Fine for cutting; should be in every collection on account of its splendid color.
ASTER (Hardy)	Blue Mountain Daisy						
?**Alpinus Superbus**		May-Aug.	Blue	7 in.	15c	1.50	Alpinus is a dwarf species, with large, bright, purple flowers. Fine for rockeries and mixed borders.
Climax		Oct-Nov.	Lavender Blue	5 ft	50c	5.00	Climax and Wells' White are of the new Michaelmas
Wells' White		Oct-Nov.	White	3-4 ft.	50c	5.00	Daisy type, having flowers 1½ in. and more in diameter.
BAPTISIA							
Australis	False Indigo	June-July	Dark Blue	2½ ft.	15c	1.50	Strong growing plant suitable for specimen in border, dark green foliage deeply cut, requires full sun and deep loam.
?**BELLIS**							
Perennis	English Daisy	April-June	Pink or White	6 in.	10c	.60	Valuable for edging beds or clumps in front of border.
?**BLEEDING HEART**	See Dielytra	May-June	Pink	2½ in.	15c	1.50	Pendulous sprays of pink flowers.
BOCCONIA							
Cordata	Plume Poppy	July-Aug.	Creamy White	6 ft.	15c	1.50	A beautiful, tall growing, hardy perennial, fine for back of borders, planting amongst shrubbery, or for center of large perennial beds. Will thrive in ordinary garden soil.
BOLTONIA	False Camomile						
Asteroides		July-Oct.	White	4 ft.	15c	1.50	This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.
BUDDLEYA	Butterfly Bush						
Variabilis Veitchianus		July-Aug.	Mauve	3 ft.	15c	1.50	A small shrub bearing exquisite tapering spikes of lilac mauve flowers; requires same protection as roses during winter.
CAMPANULA	Bell Flower						
Carpatica	Harebell	June-Aug.	Blue	1 ft.	15c	1.50	A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. The Canterbury Bell is familiar and an old favorite, and is to be had in many colors. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. The Canterbury Bells are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants; and the double white variety. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more. Lactiflora Magnifica is a new addition with very large flowers.
Alba		June-Aug.	White	1 ft.	15c	1.50	
Lactiflora Magnifica Alba		June-Aug.	White	3 ft.	50c	5.00	
Medium	Canterbury Bells.	June-Aug.	Mixed	2 ft.	15c	1.50	
White, Blue and Pink		June-Aug.		2 ft.	15c	1.50	
Calycanthema	Cup and Saucer.	June-Aug.	Mixed	2 ft.	15c	1.50	
White, Blue and Pink.		June-Aug.		2 ft.	15c	1.50	
Persicifolia	Peach Bells.	June-Aug.	Blue	2 ft.	15c	1.50	
Pyramidalis	Chimney Bellflower.	Sept.	Blue.	4-6 ft.	20c	2.00	
Alba		Sept.	Pure White.	4-6 ft.	20c	2.00	
Trachelium Album		July-Aug.	White	2-3 ft.	20c	2.00	
CANTERBURY BELLS	See Campanula Medium.						
CHIVES	Fine for seasoning				15c	1.50	Used for Culinary Purposes.
CHRYSANTHEMUM							
Maximum (Type)	Shasta Daisy	June-July	White	2 ft.	15c	1.50	Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary fine flower.
King Edward VII		June-July	White	3 ft.	20c	2.00	
Laciniatum		June-July	White	2 ft.	20c	2.00	

The Cottage Tulips are Excellent for the Perenial Border; All are Perfectly Hardy.

DELPHINIUM—Gold Medal Hybrids

COREOPSIS LANCEOLATA

CIMICIFUGA

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
CIMICIFUGA	Snake Root						
Dahurica		July-Sept.	Creamy White	3 ft.	35c	$3.50	Valuable border plants, on account of their late and long flowering period. Thrive well in shade. Simplex is a very showy flower.
Simplex		Sept.	White	3 ft.	50c	5.00	
COREOPSIS	Tickseed						
Lanceolata		May-Oct.	Yellow	2 ft.	15c	1.50	One of the most popular hardy plants, the flowers a rich golden yellow of a beautiful graceful form. They are indispensable for cut flower purposes.
Rosea		June-Sept.	Pink	1 ft.	15c	1.50	
DAISY	(English Bachelor's Button)						
Mammoth Pink or White		All Summer	Pink or White	6 in.	10c	.60	Indispensable for edging beds, borders or graves; will grow in any soil, but prefer a partially shaded position.
DAISY (Shasta)—See Chrysanthemum		Maximum					A very excellent bright border plant, and splendid for cutting, lasting a long time in water.
DELPHINIUM	Perennial Larkspur						
Belladonna		May-Sept.	Sky Blue	2 ft.	25c	2.50	Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful ronge of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. There is also a great variety in the size and form of their individual blooms, some are single, some semi-double and some perfectly double. They thrive in almost any situation or soil, and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers.
Chiveden Beauty	New	June-July	Silvery Blue	3 ft.	20c	2.00	
Semi Plena	Semi Double	May-Sept.	Sky Blue	2 ft.	50c	5.00	
Chinese		June-Aug.	Light Blue	3 ft.	15c	1.50	
Album		June-Aug.	White	3 ft.	15c	1.50	
Cineraria Blue	New	June-Aug.	True Blue	2 ft.	20c	2.00	
Formosum		July-Sept.	White Eye	4 ft.	15c	1.50	
Coelestinum		July-Sept.	Pale Blue		20c	2.00	
Named Hybrids							
Capri		June-Aug.	Sky Blue	5 ft.	50c	5.00	
Lamartine	(New)	July-Aug.	Dark Blue	3 ft.	50c	5.00	
Moerheimi		July-Aug.	White	5 ft.	50c	5.00	Our **Gold Medal Hybrids,** owing to our careful selection of seed, are an exceptionally high class strain, and contain many colors, single and semi-double, equal to many named varieties offered by some houses.
Mrs. Thompson		July-Aug.	Blue, White Eye	3 ft.	35c	3.50	
Vaughan's Gold Medal Hybrids		July-Aug.	Mixed	4 ft.	25c	2.50	
DIANTHUS	Hardy Garden Pink						
Plumarius Cyclops		May-June.	Mixed	15 in.	15c	1.50	These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.
Deltoides		May-Aug.	Rose	15 in.	15c	1.50	
Diadematus		June-Sept.	Mixed	12 in.	15c	1.50	
Diamond		May-June	White	15 in.	15c	1.50	
Early Double Pink		May-June	Pink	12 in.	15c	1.50	
Latifolius Atro-Coccineus Plenus		May-June	Dble. Fiery Crimson	15 in.	15c	1.50	We would especially call attentiin to our improved Napoleon III which, although a dark red, produces large flowers on good, long, stiff stems and resembles a good dark red carnation. It is perfectly hardy and is better than any hardy carnation known.
Napoleon III Improved		May-Oct.	Dble. Dark Red	2 ft.	25c	2.50	
Semperflorens Mixed		May-Aug.	Mixed	15 in.	15c	1.50	
DICTAMNUS							
Caucasicus	Gas Plant	June-July	Rosy Pink	2½ ft.	25c	2.50	An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.
Fraxinella		June-July	Pink	3 ft.	15c	1.50	
DIELYTRA							
Spectabilis	Bleeding Heart	May-June.	Pink	2 ft.	15c	1.50	So-called from its drooping heart-shaped flowers; will thrive in any part of the hardy border; good for forcing in pots and planting in shady places; likes rich, sandy loam.
DIGITALIS	Foxglove		Pink, Purple,				
Gloxiniaeflora		July.Aug.	White or Mixed	4-5 ft.	15c	1.50	This old-fashioned summer flowering plant, commonly known as Foxglove, thrives in almost any soil under all conditions; makes a fine plant for the back of borders or grouping in beds; prefers a light, sandy loam.
Lanata		June-Aug.	Creamy White	2-3 ft.	15c	1.50	

Weights of plants to go by Parcel Post are given on page 26.

DIGITALIS—(Foxglove)

DICTAMNUS FRAXINELLA—(Gas Plant)

GAILLARDIA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
EREMURUS.							
Himalaicus		May-June	White	8 ft.	75c	...	A noble group of plants, and quite hardy. When established they throw up magnificent flower spikes from 6 to 10 ft. high, each carrying some hundreds of flowers arranged symmetrically around the stem; they should not be disturbed, but planted for permanent effect.
Robustus		May-June	Soft Rose	8 to 10 ft.	75c	...	
ERIANTHUS	See Grasses						
ERYNGIUM	Sea Holly						
Amethystinum		July-Sept.	Steel Blue	2 to 3 ft.	15c	1.50	These are exceedingly pretty both in flower and foliage, and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration.
Planum		July-Sept.	Pale Blue	3 ft.	15c	1.50	
EULALIA	See Grasses						
EUPATORIUM	Thorough Wort						
Ageratoides		Sept.-Oct.	White	3 ft.	15c	1.50	Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.
Coelestinum		Sept.-Oct.	Light Blue	2 ft.	15c	1.50	
Frazeri		Sept.-Oct.	White	1½ ft.	15c	1.50	
FUNKIA	Day Lily						
Fortunei		August	White and Lilac	2 ft.	25c	2.50	Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best. They will grow in any good, rich soil.
Lanceolata		August	Dark Blue	1 ft.	15c	1.50	
Subcordata Grandiflora Alba		Aug.-Sept.	Pure White	1½ ft.	15c	1.50	
Thomas Hogg		Aug.-Sept.	Rosy Purple		25c	2.50	
§Undulata Medio Variegata		May-June	Purple, Var. Foliage.	1 ft.	15c	1.50	
GALEGA	Goat's Rue						
Hartlandi, New		June-July	Lilac and White	3 ft.	25c	2.50	Covered in summer with racemes of small, pea-shaped blossoms, greatly valued for cutting. This new form is far in advance of the old officinalis type, and should have a place in all hardy flower borders, and where cut flowers are in demand. Requires rich soil and should not be disturbed.
GAILLARDIA	Blanket Flower						
Masterpiece		June-Oct.	Crimson, Yellow Edge	1½ ft.	25c	2.50	Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer. One of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble.
Grandiflora Mixed		June-Oct.	Mixed	1½ ft.	15c	1.50	
GERANIUM	Crane's Bill						
Sanguineum		May-July	Crimson	1 ft.	15c	1.50	Good early Summer flowering plants for front of borders, or the rock garden; will thrive in any ordinary garden soil.
Album		May-July	White	1 ft.	15c	1.50	
GRASSES	For Foliage only						
Erianthus Ravennae	Hardy Pampas		Narrow Green	10 ft.	25c	2.50	Ornamental Grasses can be used with telling effect in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn. The Erianthus or hardy pampas grass is the tallest grower, frequently reaching 10 feet high. The Eulalias are very pretty and graceful; Univittata being green with a white midrib. The Variegated ribbon grass is an old favorite and is often used for border work or naturalizing in the wild garden.
Eulalia Gracillima Univittata			Silver White Midrib	3-4 ft.	25c	2.50	
Phalaris Arundinacea Variegata	Gardener's Garters or Ribbon Grass		Variegated	1½ ft.	15c	1.00	
GYPSOPHILA							
Paniculata	Baby's Breath	July-Aug.	White	1½ ft.	15c	$1.50	The double form is especially desirable and as a cut flower is becoming very popular. Repens Monstrosa is a dwarf variety and is suitable for rock-work or the front of the hardy border.
Flore Pleno		July-Aug.	Double White	3 ft.	25c	2.50	
Repens Monstrosa		July	White	1½ ft.	20c	2.00	
HELENIUM	Sneezewort.						
Autumnale Superbum		Sept.-Oct.	Deep Yellow	6 ft.	15c	1.50	Blooming for a long period, are amongst the best of hardy flowers, affording a good quantity of cut-flowers which last a long while; they are worthy of extensive planting; and thrive in any soil and are good for specimens in border and covering back fences, also amongst shrubbery and the wild garden.
Rubrum		Sept.-Oct.	Red	6 ft.	20c	2.00	
Hoopesi		May-July	Orange-Yellow	2 ft.	15c	1.50	
Riverton Beauty		Aug.-Oct.	Lemon Yellow Black Cone	3 ft.	25c	2.50	
Riverton Gem		Aug.-Oct.	Old Gold and Terra Cotta	3 ft.	25c	2.50	

The prices of 3 plants of a kind are given on page 26

HELIANTHUS—Double

HOLLYHOCKS—Double mixed

HEMEROCALLIS AURANTIACA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
HELIANTHUS	Hardy Sunflower						Hardy Perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water. Being heavy feeders they require a good, deep soil. Fine for back borders, shrubbery and woodlands.
Miss Mellish		Sept.-Oct.	Golden Yellow	6 ft.	15c	1.50	
Multiflorus Plenus	Dahlia Sunflower	Aug.-Sept.	Double Yellow	5 ft.	15c	1.50	
HELIOPSIS							A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent decorative cut flower.
Scabra Zinniaeflora		June-Aug.	Double Yellow	2½ ft.	25c	2.50	
HELLEBORUS	Christmas Rose						Flowers white, faintly tinged rose. If grown in cold frame, or under glass, will flower at Christmas, or earlier, flowers turning pure white.
Niger		Winter	White	1 ft.	35c	3.50	
HEMEROCALLIS	Yellow Day Lily						The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the waterside and like lots of moisture. Mixed with German Iris they are very effective.
Aurantiaca		June-July	Orange-Yellow	2-3 ft.	25c	2.50	
Dumortieri		June-July	Rich Yellow	2 ft.	15c	1.50	
Flava		July-Aug.	Yellow	3 ft.	10c	1.00	
Florham		July-Aug.	Rich Yellow	3 ft.	25c	2.50	
Fulva		June-July.	Coppery Orange	3½ ft.	15c	1.50	
Kwanso Fl. Pl.		June-July	Double Orange	3½ ft.	15c	1.50	
HEUCHERA	Alum Root						They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine and scarlet flowers make them invaluable for cutting. Nancy Perry and Pluie de Feu are new European varieties, which we can with confidence recommend.
§**Brizoides Gracillima**		May-June	Rosy Carmine	2 ft.	20c	2.00	
§**Nancy Perry**		June-July	Coral Pink	1½ ft.	35c	3.50	
§**Pluie de Feu**		June	Scarlet	2 ft.	25c	2.50	
§**Sanguinea**		June	Scarlet	1½ ft.	25c	2.50	
HIBISCUS	(Mallow Marvel) Plant in Spring						

Hollyhocks

Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large flowers of the most lovely shades of color. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental. The Hollyhock requires a rich, deep soil, well drained and will repay in quantity and elegance of bloom any extra care. A slight protection during the winter will be beneficial.

	Each	Doz.	100
Double White, Pink, Rose, Yellow, Blood Red	20c	$2.00	$12.00
Allegheny Mixed, semi-double and single	20c	$2.00	$12.00
Double Mixed	15c	$1.50	$10.00
Old Fashioned Single, mixed	15c	1.50	10.00

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz	Use, Soil, Position, Etc.
IBERIS	Hardy Candytuft						Dwarf evergreen plants covered with blooms in Spring and during early Summer. Little Gem is especially suited to border and rockwork and edging beds of late Tulips and Narcissi. Sempervirens is fine for edging shrubbery or borders and will thrive in any good soil.
Gibraltarica		April-May	Lilac Mauve	12 in.	15c	1.50	
§**Little Gem**		April-May	Small White	6 in.	15c	$1.50	
§**Sempervirens**		April-May	White	10 in.	15c	1.50	
INCARVILLEA	Hardy Gloxinia						Lovely Chinese plants for sunny situations, producing spikes of elegant, Gloxinia-like flowers, arranged in clusters with foliage gracefully cut. Plant in light sandy soil. Grandiflora, crimson with yellow throat, is a charming flower
Delavayi		May-July	Rose Colored	2 ft.	15c	1.50	
§**Grandiflora**		May-July	Crimson	1 ft.	15c	1.50	
INULA	Flea Bane						Showy and highly decorative. Glandulosa is much prized for cutting, producing flowers two inches across of a peculiar formation.
Glandulosa Grandiflora		June-Aug.	Yellow	2½ ft.	20c	2.00	
LATHYRUS	Hardy Flowering Pea						The everlasting Pea, forms a very decorative object when trained over old tree stumps, banks, pyramids or forming floral screens. They are good cut flowers with strong, wiry stems, requiring deep rich soil.
Latifolius Albus		June-Aug.	White	4-5 ft.	15c	1.50	
Rubra		June-Aug.	Red	4-5 ft.	15c	1.50	

Hardy Perennials are the most satisfactory of all Flowers because of their permanent character and natural beauty.

Beautiful Hardy Irises

German Iris - Fleur de Lis

GERMAN Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. In colors there are the richest yellows, the most intense purples and delicate blues, the softest mauves and very beautiful claret-reds. There are also whites, and primroses, and bronzes of every imaginable shade—indeed, language fails us in picturing all the beauties of this flower, and our descriptions, in consequence, fall far short of the reality. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

PRICES (Except where noted): Each, 15c; doz., $1.50; 100, $8.00; 1000, $75.00.

Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. **Each, 35c; doz., $3.50.**

Archeveque. (Archbishop.) (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. **Each, 35c.**

Aureole. "S" Deep orange; "F" Reddish brown with white netted base.

Black Prince. (Kochi Atropurpurea.) "S" Purple lilac; "F" Rich velvety black. **Each, 25c; doz., $2.50.**

Candelabre. (New.) "S" Silvery mauve and purple; "F" Violet, with white and black veins. Late. A grand Iris. **Each, 40c; doz., $4.00.**

Candicans. A clear pale blue, free-flowering variety with prominent white veins. **Each, 20c; doz., $2.00.**

Caprice. (New.) "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. **Each, 30c; doz., $3.00.**

Celeste. Fine satiny blue. One of the most beautiful of German Irises. **Each, 20c; doz., $2.00.**

Charles Dickens. "S" Blue; "F" Blue, suffused dark purple.

Cherubin. "S" Pale lilac; "F'. Pale lilac, veined purple. A very large and charming flower. **Each, 50c; doz., $5.00.**

Crepuscule. "Standards" and "Falls" delicate violet purple, quite devoid of markings. Large flowers on long stems, Early. Very desirable. **Each, 50c; doz., $5.00.**

Darius. "S" Primrose yellow; "F" Lilac and primrose. **Each, 25c; doz., $2.50.**

Dorothea. (New.) An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veinings. Very fine. **Each, 35c; doz., $3.50.**

Dr. Bernice. (New.) "S" Coppery bronze; "F" Velvety crimson. A handsome Iris. **Each, 20c; doz. $2.00.**

Edith Cook. "S" Lemon yellow; "F" Velvety chestnut brown, bronze markings. **Each, 20c; doz., $2.00.**

Edward Michell. Tall spikes of flowers splendidly shaped. "S" Broad: "F" Long and wide. The whole flower is deep wine red. **Each, 60c.**

Eldorado. (New.) "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. **Each, 60c.**

Frorin. "Standards" and "Falls" pale canary yellow, merging to cream at base.

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow. **Each, 35c; doz., $3.50.**

Gracchus. "F" Crimson, reticulated white, fine early.

Hector. "S" Soft clouded yellow; "F" Velvety crimson; showy; 30 inches.

Heteranth. "S" Bright blue; "F" Deeper blue. Early.

Honorabilis (Sans Souci). A most effective combination. "Standards" golden; "Falls" rich mahogany.

Isoline. "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Fine. **Each, $1.00.**

Jeanne d'Arc. (New.) Flowers large, sepals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. **Each, 50c.**

Johan de Witt. "S" Pale lilac; "F" Violet purple veined white. 2 ft.

Kharput (Italia). "S" Violet; "F" Violet purple, large handsome bloom. **Each, 25c; doz., $2.50.**

King of Iris. (New.) "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. **Each, 40c; doz., $4.00.**

L'Avenir. A beautiful shade of satin blue. **Each, 25c; doz., $2.50.**

Lohengrin. Large handsome silvery-mauve flowers. **Each, 35c; doz., $3.50.**

Lord Salisbury. "S" Amber white; "F" Dark violet purple.

Lorely. "S" Light Yellow; "F" Ultramarine blue, bordered cream.

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall.

Mme. Pacquette. Bright rosy claret, early and beautiful. **Each, 20c; doz., $2.00.**

Maori King. "S" Golden Yellow; "F" Velvety maroon margined gold. **Each, 25c; doz., $2.50.**

Mars. "S" Light yellow; "F" Pale yellow with violet blotches and veins.

Monsignor. Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencilings at throat. A truly magnificent specimen. **Each, 70c.**

Mrs. H. Darwin. "S" Clear waxy white; "F" White with violet veins.

Mrs. Newbronner. A beautiful deep self-yellow. Very fine. **Each, 35c; doz., $3.50.**

Nuee d'Orage. (Stormcloud) (New.) Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. **Each, 50c.**

Pallida Dalmatica. One of the most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender. **Each, 20c; doz., $2.00.**

Pallida Mandraliscae. Rich lavender-purple, large and handsome. **Each, 20c; doz., $2.00.**

Peacock's Eye. "S" Clear olive yellow;"F" Brownish, shading to a clear yellow border on edges. **Each, 35c; doz., $3.50.**

Penelope. "S" Pure white; "F" White, veined purple, crested yellow.

Pharaon. Very fine soft lilac.

Plicata. "S" Bright violet-purple; "F" Deep violet-purple, with lighter shadings.

Princess Victoria Louise. (New.) "S" Immense sulphur yellow; "F" Plum color, edged cream, very fine. **Each, 35c; doz., $4.50.**

Pres. Thiers. "S" Lavender blue; "F" Deeper blue, white pencilings. **Each, 35c; doz., $3.50.**

Prosper Langier. Deep velvety crimson, with deeply veined throat. Falls very broad. Highly recommended. **Each, 40c.**

Queen of May. "S" Lilac Pink; "F" Lilac, blended with white; distinct. **Each, 15c; doz., $1.50.**

Rhein Nixe. (New.) "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. **Each, 35c; doz., $3.50.**

Sambucina. 30 inch. "S" Coppery rose; "F" Rosy purple with orange crest.

Stenophylla. "S" Pale blue, indistinct stripes. "F" Darker. Tall.

Tamerlane. (New.) "S" Pale violet; "F" Deep purple. Magnificent, tall, bold. **Each, 50c.**

Trautlieb. "S" and "F" lovely uniform rose; very striking. Undoubtedly one of the best. **Each, 35c; doz., $3.50.**

Venus. "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground.

GERMAN IRIS MIXED. Each, 10c; doz., $1.00 (postpaid); (by express) **per 100, $5.00; per 1000, $45.00.** (25 at 100 rate, 250 at 1000 rate.)

Iris Siberica

Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with deep blue flowers. **Each, 15c; doz., $1.50.**

Blue King. Fine clear violet blue. **Each, 20c; doz $2.00.**

Geo. Wallace. Azure blue. "F" Streaked white. **Each, 20c; doz., $2.00.**

Snow Queen. Snow-white flowers borne on strong erect stems. **Each, 20c; doz., $2.00.**

Iris Pumila Hybrida

DWARF variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. **Florida.** Beautiful lemon yellow shaded darker. **Each, 15c; doz., $1.25; per 100, $8.00.**

Iris Interregna

Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermediate and its freshness of foliage is kept until autumn.

Halfdan. Rich creamy yellow, very fine keeper. **Each, 20c; dozen, $2.00.**

Walhalla. Petals rosy lavender above, delicate claret red below. **Each, 15c. dozen, $1.50; per 100, $8.00.**

Iris Longipetala Superba

Flowers soft porcelain-blue, with long pale blue falls, having a golden blotch at the base. Fine for massing. **Each, 15c; dozen, $1.25.**

LILY OF THE VALLEY

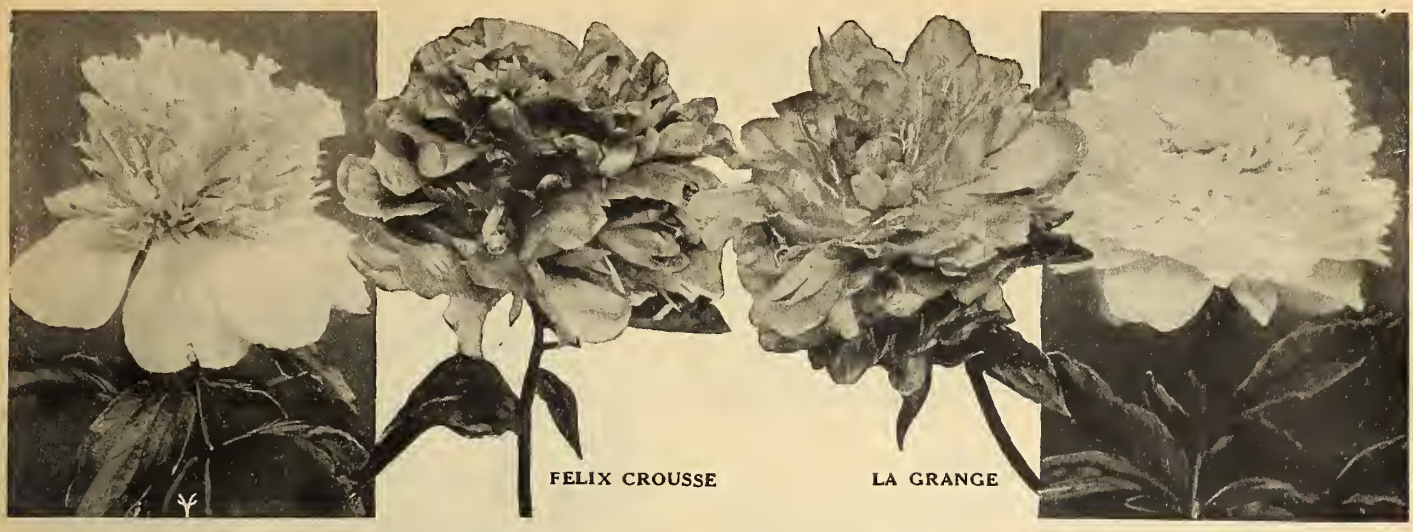
LUPINUS POLYPHYLLUS Albus

MERTENSIA VIRGINICA

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
LAVENDULA Vera	Lavender	June-Aug	Blue	2 ft.	15c	$1.50	Delightfully fragrant flower, much used when dry on account of its sweet odor. We offer the true variety.
LIATRIS Spicata	Blazing Star or Gay Feather	July-Sept	Deep Purple	5 ft.	15c	1.50	Carrying feathery flower spikes; are effective border plants, thriving at the margin of streams or in the open border.
LILY OF THE VALLEY Clumps		May-June	White	8 in.	30c	3.00	Good for shade and under trees.
LINARIA Dalmatica	Toad Flax	May-Aug	Sulphur-Yellow	3-4 ft.	20c	2.00	Of easy culture in moderately good, well drained soil. Suitable for rockeries.
LINUM Flavum	Flax	June-Sept	Yellow	1 ft.	15c	1.50	A desirable plant for the border, with light, graceful foliage and blue flowers, produced through the entire summer, if cut down after the first blooming.
Perenne		June-Sept	Sky Blue	1½ ft	15c	1.50	
Perenne Album		June-Sept	White	1½ ft	15c	1.50	
LOBELIA Cardinalis	Cardinal Flower	July-Sept	Fiery Scarlet	2 ft.	15c	1.50	Deep, rich, moist soil is best. For the margins of ponds or damp border.
LUPINUS Polyphyllus Albus	Lupin	May-June	White	3 ft.	20c	2.00	Effective plants producing, when established, large spikes of flowers. They should be planted in well prepared garden soil and well watered during a period of dry weather.
Roseus		May-June	Pink	3 ft.	20c	2.00	
LYCHNIS Chalcedonica	Campion	June-Sept	Orange Scarlet	2-3 ft.	15c	1.50	Highly ornamental plants for summer, the taller kinds being valued for cut flowers and border plants; the dwarfer varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position.
Alba		May-Aug	White	1½-2½ ft	15c	1.50	
Haageana	Maltese Cross	May-June	Orange Scarlet	1 ft.	15c	1.50	
Sieboldi		June-July	White	1 ft.	15c	1.50	
Splendens Plena	Double Catch Fly	June-July	Crimson	1 ft.	25c	2.50	
LYSIMACHIA Numullaria	Creeping Jenny	June-Aug	Yellow	4 in.	15c	1.50	Effective in clumps or wild garden. Requires a moist situation. Numullaria is fine for banks, vases, beds, stumps or rockeries and can be used in hanging baskets.
LYTHRUM Roseum	Loosestrife, Perry's Variety	May-Sept	Reddish Purple	3 ft.	25c	2.50	Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits it.
MERTENSIA Virginica	Blue Bells or Virginian Cowslip	May-June	Light Blue	18 in.	15c	1.50	A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
MINT	Old Fashioned			18 in.	15c	1.50	An old favorite, will grow anywhere.
MONARDA Didyma	Bergamot, Oswego Tea or Bee Balm	June-Sept	Brilliant Scarlet	3 ft.	15c	1.50	Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
MYOSOTIS Palustris ℄Semperflorens	Forget-me-not	May-Aug	Blue	6 in.	15c	1.50	The true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Make excellent edgings and carpeting planted with late-flowering tulips.
℄Victoria		May-Aug	Deep Blue	6 in.	15c	1.50	
NEPETA Mussini		May-Sept	Light Blue	1 ft.	15c	1.50	These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.
OENOTHERA Macrocarpa	Evening Primrose	June-Sept	Yellow	6 in.	15c	1.50	Showy and easily grown on all soils; useful in wild garden and border; make good plants for front of border. Macrocarpa is a beautiful variety with prostrate stems bearing immense yellow flowers during July and August.
Youngi		May-Aug	Golden Yellow	2 ft.	15c	1.50	

OLD MAN See Artemisia

Note remarks on "Plants and Bulbs for Spring Effect," page 26.



JEANNE D'ARC

FELIX CROUSSE

LA GRANGE

COURONNE D'OR.

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Planting. Peonies may be planted in the fall from the 2nd or 3rd week in August until frost, and in spring as soon as the frost is out of the ground. **Early fall** planting is advisable, so that the plants may make new roots before frost sets in. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of **rotten** stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. **Full cultural directions are sent with each order.** We offer three sizes, viz:—**Divided roots,** 3 to 5 eyes. **Medium roots,** 5 eyes and up. **Large roots,** 4 to 5 year old clumps, 8 eyes and up.

D—Divided. M—Medium. L—Large Roots.

White and Light Varieties

Albatre. Large, compact, rose-type bloom, wide center petals. Milk white, center petals edged carmine. Extra good. Midseason. **D, 75c; M, $1.25; L, $1.75.**

Avalanche. Large globe-shaped bloom similar to the preceding, but not as early. **D, $1.25.**

Baroness Schroeder. Large globular rose type. Flesh pink changing to white. Vigorous and free bloomer. A first-rate flower. **D, $2.75.**

Blanche Cire. Plant erect, medium tall. Flowers sulphur white, with cream guard petals. A fine free flowering variety. **D, $1.00.**

Canari. Large convex bloom, guard petals, amber white, with clear yellow center. Fragrant. Late. **D, 40c; M, 85c; L, $1.25.**

Carnea Triumphans. Guards and crown pale pink, collar amber-white, fragrant. Midseason. **D, 50c; M, 85c; L, $1.25.**

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. **D, 50c; M, 85c; L, $1.40.**

Couronne D'Or. Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. **D, 50c; M, 85c; L, $1.25.**

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. **D, 35c; M, 60c; L, $1.00.**

Duke of Wellington. Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower; free bloomer. Late. **D, 50c; M, 75c; L, $1.25.**

Festiva. Large, full, rose-shaped bloom, creamy white, flecked with carmine. Fine late variety. **D, 50c.**

Festiva Maxima. The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow white, with some red spots on the edge of the center petals. Very sweet. Early. **D, 40c; M, 65c; L, $1.25.**

Jeanne d'Arc. Very similar to "Golden Harvest," but larger, and finer. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. **D, 50c; M, 85c.**

La Rosiere. Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. **D, 60c; M, 85c.**

La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. **D, 50c; M, 75c; L, $1.25.**

Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. **D, 50c; M, 85c; L, $1.50.**

Madame Crousse. Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together this is the best of all white Peonies. **D, 65c; M, 90c.**

Madame de Vatry. Large, compact high crown. Guards and crown lilac white, with sulphur white collar. Fragrant; medium height; midseason. **D, 65c; M, $1.00; L, $1.50.**

Madame de Verneville. Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one the most desirable for all purposes. **D, 40c; M, 75c; L, $1.25.**

Marie Lemoine. Delicate ivory white; solid massive blooms of extra size; very late. **D, 50c; M, 75c; L, $1.25.**

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. **D, 75c; M, $1.00; L, $1.50.**

Mont Blanc. Large, compact, globular, milk-white, center tinted rose. Very fragrant. Midseason. **D, 50c; M, 85c.**

Pierre Duchartre. Flowers very full, beautiful pale lilac flesh. **D, $2.00.**

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. **D, 35c; M, 75c; L, $1.00.**

Reine des Francais. Guard petals fleshy pink; center white shaded yellow. **D, 50c; M, 75c.**

Light and Dark Pink and Rose

Albert Crousse. Very large flat, compact bomb; rosy-white flecked crimson. very fragrant, tall free bloomer. Late. **D, 75c; M, $1.25.**

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. **D, 75c; M, $1.00; L, $1.30.**

Claire Dubois (Crousse). One of the very largest peonies. Very full compact and globular; rose-type flower. Color, soft light satiny-pink. Fragrant and rather late. **D, $1.50.**

Delicatissima. Large rose type. Pale lilac-rose. Fragrant. Very strong, tall grower, fine habit, free bloomer. Extra good keeper and shipper. Midseason. **M, 60c; L, 85c.**

Dorchester (Richardson's). A most beautiful soft pink of fine form, dwarf grower. **D, 75c; M, $1.25.**

Duchess de Nemours (Guerin). Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety. **D, 60c; M, 85c; L, $1.25.**

Edulis Superba. Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best commercial pinks. **D, 45c; M, 75c.**

Eugene Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason. We can conscientiously recommend this as one of the best Peonies in cultivation. **D, 60c; M, 85c; L, $1.50.**

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. **D, 35c; M, 65c; L, $1.00.**

Jules Calot. Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. **D, 40c; M, 60c.**

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance. Peonies should be in every garden.

Peonies—Continued

Light and Dark Pink, and Rose—Cont.

Kohinoor. Shell pink, very free, splendid cut flower, midseason. **D, 45c; M, 85c.**

Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. **D, 45c; M, 85c; L, $1.25.**

Livingstone. Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. **D, $1.00; M, $1.25; L, $2.00.**

M. Barral. Fine pink; very large and double. Strong stem. Late. **D, 75c; M, $1.00; L, $1.75.**

Madame de Gahau. Large and full curved bloom with closely set petals. Soft glossy, flesh-pink, petals bordered silvery-pink. **D, 40c; M, 65c; L, $1.00.**

Madame Emile Galle. Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. **D, $1.00.**

Madame Emile Lemoine. Large globular, compact, semi-rose type. Milk-white. Medium height. **D, $1.50.**

Madame Forel. Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **D, 75c; M, $1.25.**

Madame Furtado. Bright violaceous-pink guard, bright salmon-pink center. **D, 50c; M, 85c.**

Madame Geissler. One of the largest Peonies, very double globular. Imbricated, massive and imposing. Color, a glossy silvery rose, shading to Bengal rose at base of petals. Delicious fragrance. An abundant mid-summer bloomer. One of the best cut-flower sorts. **D, 75c.**

Marguerite Gerard. Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea pink, fading to nearly white, central petals flecked dark carmine. A free bloomer. Late. Extra. **D, $1.00; M, $1.25.**

Modeste Guerin. Very large bomb-shape, full and compact. Superb solferino red. Very free-flowering and fragrant. Exceptionally strong rigid stems. Midseason. An extra good variety. **D, 50c; M, 85c; L, $1.25.**

Monsieur Jules Elie. Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy flesh-pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **D, $1.00; M, $1.50**

Octavie Demay. Very large, flat, crown. Guards and center pale hydrangea-pink, collar almost white. Fragrant. Very dwarf habit, free bloomer. An exceptionally choice variety. **D, $1.00; M, $1.50.**

President Taft (New). Very large cup-shaped bloom of a lilac pink, center marked carmine. **D, $1.25; M, $2.00.**

Prolifera Tricolor. Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. **D, 50c; M, 85c; L, $1.40.**

Pulcherrima. Outside petals flesh, center pink. Very large and borne on long strong stems. **D, 35c; M, 75c; L, $1.00.**

Sarah Bernhardt. Guard petals silvery rose, center amber, tinged salmon. Exceedingly early and very beautiful. **D, $1.00.**

Souvenir de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac. **D, 60c; M, 85c; L, $1.25.**

Souvenir de l'Exposition Universelle. Large perfect shaped imbricated flower, brilliant cerise, with silvery reflex. **D, 65c; M, $1.00; L, $1.50.**

Thorbeckii. Deep reddish pink; of fine form; lighter in center. Medium dwarf habit. **D, 45c.**

Triomphe de l'Exposition de Lille. Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. **D, 60c; M, 85c; L, $1.25.**

Red and Crimson Sorts

Agida. Bright red, semi double. Very fine free blooming late variety. **D, 50c; M, $1.80.**

Andre Lauries. Large, very compact, globular rose type. Dark rose, with deeper center, and silvery reflex. Medium tall. **D, 50c; M, 85c; L, $1.25.**

Augustin D'Hour. Large, bomb-shaped flower, dark brilliant solferino-red with slight silvery reflex. Medium tall, very free; midseason. Very fine. **D, 60c; M, 90c; L, $1.50.**

Delachei. A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. A fine sort for massing. **D, 45c; M, 60c; L, $1.25.**

Edouard Andre. Early-blooming, deep brilliant crimson with metallic glow and golden yellow stamens. Valuable and unique. **D, 60; M, 75.**

Felix Crousse. Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. **D, 50c; M, 85; L, $1.25.**

General Cavaignac. Large, globular, compact semi-rose type. Violet rose edged lighter. Center splashed crimson. Tall, free, late. **D, 60; M, 85; L, $1.25.**

La Grange. This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking cerise color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **D, 60c; M, 85c; L, $1.25.**

Louis Van Houtte. Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. **D, 35c; L, $1.00.**

Madame Le Bon. Late; very large; color, brilliant cerise-red with silvery reflex. Extra. **D, 50c; M, $1.00; L, 1.40.**

Marechal Valliant. (Grandiflora Rubra.) Very large, compact, globular flower. Dark mauve pink; very tall and late. An excellent variety. **D, 60c; M. $1.00; L, $1.50.**

Vaughan's Peonies

Our collection of Peonies is one of the finest in the middle west. It comprises all the best kinds only (not a long confusing list), grown as our **40 years experience has told us how.**

Buy Vaughan's, and be sure of getting them **good, and correct!**

OFFICINALIS RUBRA PLENA

Red and Crimson Sorts—Cont.

Meissonier. Broad outer petals, brilliant purple amaranth, inner petals crimson, free bloomer. **D, 50c; M, 85c; L, $1.25.**

M. Krelage. Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **D, 60c; M, $1.00.**

M. Martin Cahuzac. Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower. Free bloomer. Midseason. Very scarce. **D, $5.00.**

Monsieur Paul Du Ribert. Large, medium, loose, bomb type. Uniform deep carmine-rose. Fragrant. Medium height, free bloomer. Late. **D, 60c; M, 85c; L, $1.25.**

Officinalis Rubra Plena. This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. (See illustration above.) **D, 35c; M, 60c.**

Souvenir de l'Exposition de Bordeaux. A fine globular flower, very full, bluish violet and red, with bright reflex. **D, $1.00; M, $1.50.**

Unnamed Peonies

Double White, Pink and Red. D, 25c; M, 50c; L, $1.00.

Various Peonies

Single Unnamed.

Single Crimson, divided roots, **each 50c.**
Single Pink, divided roots, **each 50c.**
Single White, divided roots, **each 75c.**

Single Named.

Areos. Single-Delicate soft pink in bud, fading to white when open, a very pretty variety and a free bloomer. **D, 75c.**

Emily. Medium size. Violet-rose. Double row of petals. Medium tall. **D, 75c; M, $1.00.**

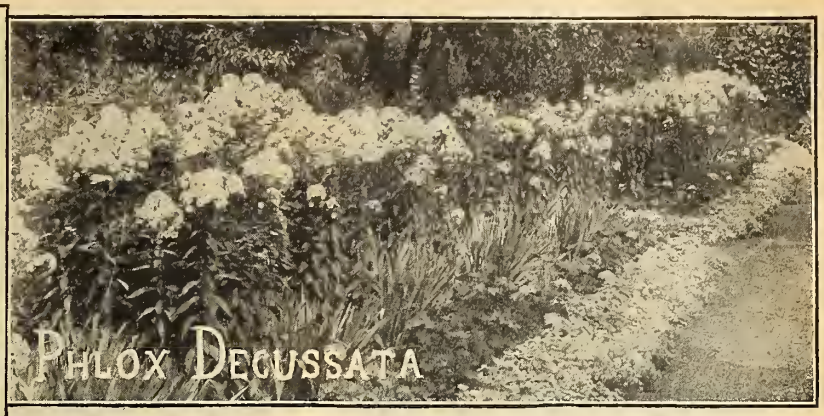
Prince Bismarck. Single beautiful crimson, showy yellow stamen. Free and long blooming variety. **D, 75c; M, $1.00.**

Japanese Tree, 3 year old plants, 3 colors, **each $1.25.**

Discount Off List Prices on Peonies

Orders amounting to $5.60 will be $5.00 cash.
Orders amounting to $11.50 will be $10.00 cash.
On orders amounting to $15.00 and over we allow a straight cash discount of 15 per cent.

Don't overlook our Special offer on back of cover.



Vaughan's Hardy Phlox

Phlox Decussata

THIS is one of the most useful flowers for summer decoration, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in fall may be expected.

The blue, lavender, and orange colored ones should be planted in semi-shade, as the sun is apt to bleach out the colors in a short time.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1) Early (2) Mid-season (3) Late
(D) Dwarf (M) Medium (T) Tall

Our prices are for one-year field-grown plants.

At **$1.50 per dozen,** price per **100 is** **$10.00**
At **$2.00 per dozen,** price per **100 is** **$14.00**
At **$2.50 per dozen,** price per **100 is** **$18.00**
} 25 of **any variety** supplied at these rates.

Antonin Mercie. (M 2.) A beautiful grayish lilac with white center. **Ea., 15c; doz., $1.50.**
Athis. (L 2.) Tall salmon pink. **Each, 15c; doz., $1.50.**
Aurora. (D 2.) Large trusses of brilliant rose pink. **Each, 20c; dozen, $2.00.**
Baron Von Dedem. (T 2.) Brilliant orange-scarlet with immense trusses and individual flowers. **Each, 20c; dozen, $2.00.**
Beranger. (D 1.) Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye. **Each, 15c; dozen, $1.50.**
Bridesmaid. (D 2.) Pure white, large crimson-carmine eye. **Ea. 15c; doz. $1.50.**
Eclaireur. (T 3.) Brilliant rosy magenta with lighter halo. **Each 15c; doz. $1.50.**
Elizabeth Campbell. (D 2.) New. Bright salmon pink with lighter shadings and dark crimson eye. One of the best. **Each, 15c; doz., $1.50.**
Europa. (T 2.) White, distinct carmine eye, large flower. **Each, 15c; doz, $1.50.**
Gruppen Koenigin. (M 2.) Flesh with dark eye. Immense heads; very large individual flowers; very free and lasting. **Each, 20c; doz., $2.00.**
Jeanne d'Arc. (T 3.) Fine pure white. **Each, 15c; doz., $1.50.**
Le Madhi. A metallic bluish-violet color having fine large truss, a prolific bloomer. One of the very best of its color. **Each, 20c; doz., $2.00.**
Mme. Paul Dutrie. (M 1.) Soft pink, suffused white. **Ea., 15c; doz., $1.50.**
Miss Lingard (T 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer; good for cut flowers. **Each, 20c; doz., $2.00.**
Mrs. John Barker. (M 2.) Dark carmine pink; very fine. **Each, 20c; doz., $2.50.**
Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers. **Each, 15c; doz., $1.50.**
Pantheon. (T 2.) Deep salmon rose, very fine. **Each, 20c; doz., $2.00.**
R. P. Struthers. (T 2.) Rosy carmine with claret eye. **Each, 20c; doz., $2.00.**
Rhynstrom. Beautiful color not unlike that of Paul Neyron Rose. A good strong grower and a very free-flowering variety. **Each, 25c; doz., $2.50.**
Selma. (T 2.) Large trusses of large pink flowers with cherry-red eye. **Each, 20c; doz., $2.00.**
Sigrid Arnoldson. (T 2.) Fiery carmine red with dark center; extra fine. **Each, 25c; doz, $2.50.**
Tapis Blanc. (D 1.) Pure white; immense heads. The best dwarf Phlox. **Ea., 25c; doz., $2.50.**
Von Goethe. (M 2.) Pure clear pink with white eye. **Each, 20c; doz., $2.00.**
Von Hochberg. (M 3.) The ideal crimson. The richest of its color. **Each, 20c; doz., $2.00.**
Wanadis. Mottled white and light violet, intensified with bright purplish red eye; very distinct. **Each, 25c; doz., $2.50.**
Widar. (M 2.) A much admired violet blue with white eye; a rich colored form of Antonin Mercie. **Each, 25c; doz., $2.50.**
MIXED.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. **Each, 10c; doz., $1.00; per 100, $6.00; by express only.**
SPECIAL OFFER No. 35A.—One each of 10 varieties, our selection from above. All distinctly labelled for **$1.50 by express,** not prepaid.

Phlox Arendsi

THIS is a very desirable and beautiful class growing to a height of from 12 to 24 inches; flowers in May, very lasting, and excellent for perennial borders and shrubberies.

Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder. **Each, 35c; doz., $3.50.**

Luise. Height about 24 in. Color of flower pale lilac with carmine eye. **Price, each, 35c; dozen, $3.50.**

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

⁂**Amoena Rosea.** Bright pink; May to June; height 6 in. **Each, 15c; doz., $1.50.**
⁂**Divaricata Laphami.** (New.) A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. **Each, 15c; doz., $1.50.**
⁂**Maculata Alpha.** Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. **Each, 25c; doz., $2.50.**
⁂**Pilosa Splendens.** From 12 to 15 inches high producing great masses of brilliant rosy-carmine flowers. It blooms at the same time as Phlox Divaricata making a splendid companion to it. A very effective sort. **Each, 25c; doz., $2.50.**
⁂**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. **Each, 15c; doz., $1.50.**
⁂**Subulata Rosea.** Same as above but with dainty rose pink flowers. This and Alba are fine for graves. **Each, 15c; doz., $1.50.**

ELIZABETH CAMPBELL

The Phloxes marked (⁂) are useful for planting as borders or carpeting to Late-flowering Tulips.

PHYSOSTEGIA VIRGINICA

PYRETHRUM

RUDBECKIA PURPUREA

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
PACHYSANDRA							
Terminalis		May	White	4-6 in.	15c	1.50	Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.
PAPAVER Nudicaule	Poppy Iceland Poppy	June-Oct.	White, Yellow and Orange	1 ft.	15c	1.50	The Iceland Poppy is a gem from the Arctic regions. It is a hardy dwarf grower, showing a profusion of delicately shaded little blossoms that are exquisite for edging the border.
PAPAVER	Oriental Poppy						For gorgeous coloring the Oriental Poppies have few rivals amongst hardy plants, making a magnificent effect in the border, shrubbery or wherever large breaks of distinct and glowing colors are required. Their freedom of bloom renders them conspicuous in any position. Good, deep, rich soil and open situation suit them best. We offer only the finest varieties of tried merit. To secure best results, these should be planted early in September, or as soon as ground is open in Spring.
Goliath		June-July	Scarlet	3½ ft.	25c	2.50	
Mahony		June-July	Deep Maroon	3 ft.	25c	2.50	
Mrs. Perry (New)		June-July	Orange Apricot	3 ft.	25c	2.50	
Princess Ena (New)		May-Aug.	Salmon Pink	3½ ft.	25c	2.50	
Princess Victoria Louise		June-July	Soft Lilac Rose	3 ft.	25c	2.50	
Silver Queen		June-July	Silvery White	3 ft.	25c	2.50	
PENTSTEMON	Beard's Tongue						These graceful plants bearing long spikes of flowers are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border.
Barbatus Torreyi (Chelone)		June-Aug.	Brilliant Scarlet	3 ft.	15c	1.50	
Digitalis		June-July	Purple White	2 ft.	15c	1.50	
PHALARIS (See Grasses)							
PHYSALIS Franchetti	Chinese Lantern	July	Yellow	2 ft.	15c	1.50	The red balloon shaped seed pods of this plant are much prized for Winter decoration.
PHYSOSTEGIA	False Dragon Head						Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
Virginica		June-Sept.	Soft Pink	3-4 ft.	15c	1.50	
Alba		June-Sept.	Pure White	2 ft.	15c	1.50	
Speciosa		June-Sept.	Delicate Pink	4 ft.	15c	1.50	
PLATYCODON	Balloon Flower						Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
Grandiflora		May-Sept.	Deep Blue	18 in.	15c	1.50	
Alba		May-Sept.	White	18 in.	15c	1.50	
Mariesi		May-Sept.	Violet Blue	12 in.	15c	1.50	
Alba		May-Sept.	White	12 in.	15c	1.50	
POLYGONUM	Knot Grass						A valuable plant forming dense bushes, covered with large spikes of flowers, white tinged rosy pink.
Compactum		July-Oct.	White tinged Rose	2 ft.	15c	1.50	
Cuspidatum	Japanese Knot-weed	July-Oct.	White	7 ft.	15c	1.50	
POTENTILLA	Cinquefoil						Valuable for massing in borders, and for cut flowers. They require light, deep, loamy soil with exposed position.
Formosa		June-Aug.	Rosy Red	18 in.	15c	1.50	
PRIMULA							Can be used to advantage for naturalizing in woods. They like leaf-soil, old decayed manure, light soil and a cool, moist situation.
Veris Grandiflora	Hardy Primrose	May-June	Yellow	10 in.	15c	1.50	
PULMONARIA	Lungwort						Useful for shady or sunny situation on rock work or permanent border, flowering in spring and early summer. Any ordinary garden soil suits it.
Augustifolia Azurea	Blue Cowslip	April-May	Gentian Blue	1 ft.	25c	2.50	
PYRETHRUM							These are of great value for cut flower purposes, lasting in water longer than any flower we know. They are variable in color, ranging from pure white to the most intense scarlet and crimson, and are perfectly hardy, delighting in a cool, moist soil.
Single and Double Mixed		June		18 in.	15c	1.50	
Uliginosum	Giant Daisy	Sept-Oct.	White	5 ft.	15c	1.50	
RANUNCULUS	Buttercup						A showy border plant, bearing rosettes of double yellow flowers in early summer.
Acris		May-June	Yellow	2½ ft.	15c	1.50	
ROSMARINUS							Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage.
Officinalis	Rosemary		Lavender	2 ft.	15c	1.50	
RUDBECKIA	Cone Flower						The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color. Worthy of a place in any garden, the flowers are of the richest golden yellow, and when fully open form a most beautiful rosette. R. Newmani differs from the other varieties in being very dwarf and showing the black cone (or disc) more conspicuously.
Laciniata fl. pl.	Golden Glow	July-Oct.	Yellow	5-7 ft.	15c	1.50	
Golden Ray	New	July-Oct.	Golden Yellow	6 ft.	15c	1.50	
Newmani		June-Sept.	Orange, Blk. Cone	2 ft.	15c	1.50	
Nitida "Fall Sun"	New	Sept.-Oct.	Golden Yellow	6 ft.	15c	1.50	
Purpurea Grandiflora	Purple Cone Flower	July-Sept.	Reddish Purple	3 ft.	15c	1.50	

Oriental Poppies will brighten Your Garden when Peonies and Late Tulips are over.

THALICTRUM Dipterocarpum

VERONICA SUBSESSILIS

STOKESIA CYANEA

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	Use, Soil, Position, Etc.
SALVIA							
Azurea Grandiflora		Aug.-Oct.	Sky Blue	3 ft.	25c	$2.50	Beautiful plants, with long spikes of tubular blue flowers.
Pitcheri	Meadow Sage	Sept.-Oct.	Deep Blue	3½ ft.	25c	2.50	Leaves of Officinalis used for seasonings and dressings.
Officinalis	Common Sage				15c	1.50	Uliginosa and Pitcheri make a grand showing in the fall.
Uliginosa		Sept.-Oct.	Blue	4 ft.	25c	2.50	
SAPONARIA							This charming rock or border plant produces sheets of pink flowers in early summer. It is of very easy culture and thrives in any garden soil in full sun.
½Ocymoides Splendens		May	Pink	6 in.	15c	1.50	
SCABIOSA	Mourning Bride						Useful border plants blooming freely all summer; much prized for cutting and massing in old-fashioned gardens; succeeds best in light loam with plenty of sun.
Caucasica		June-Sept.	Pale Blue	18 in.	15c	1.50	
Alba		June-Sept.	White	18 in.	20c	2.00	
SEDUM							Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather.
½Acre	Golden Moss	May-June	Bright Yellow	3 in.	15c	1.50	
Sieboldii Variegata		July-Sept.	Blue and Red	1 ft.	20c	2.00	
Spectabile	Brilliant Stone-crop	July-Aug.	Rose Color	18 in.	15c	1.50	
Atropurpureum		July-Aug.	Bright Crimson	18 in.	25c	2.50	
SILENE							Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.
Orientalis		July-Oct.	Rose Pink	8 in.	15c	1.50	
SOLIDAGO	Golden Rod						Native plants of the easiest culture, graceful panicles of golden yellow flowers invaluable for cutting.
Canadensis		Sept.-Oct.	Rich Yellow	4 ft.	15c	1.50	
SPIRAEA	Goats' Beard or Meadow Sweet						Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage.
Filipendula Fl. Pl.	Dropwort	June-July	Double White	18 in.	20c	2.00	
STATICE	Sea Lavender						Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.
Latifolia		July-Sept.	Lavender	2 ft.	15c	1.50	
STOKESIA	Stokes' Aster						Produces showy Aster-like flowers from 4-5 inches across; succeeding in any open position.
Cyanea		July-Oct.	Pale Blue	18 in.	15c	1.50	
SWEET WILLIAM (Dianthus Barbatus)							The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow it to perfection.
Nigrescens		June-July	Nearly Black	18 in.	15c	1.50	
White, Pink or Red		June-July		18 in.	15c	1.50	
Single Mixed		June-July	Mixed	18 in.	15c	1.50	
TARRAGON (True German)							Used for culinary purposes.
Clumps					20c	2.00	
THALICTRUM	Meadow Rue						These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. Dipterocarpum is a beautiful and rare plant.
Adiantifolium		June-Aug.	Yellow	8 in.	15c	1.50	
Flavum		June-Aug.	Yellow	4 ft.	15c	1.50	
Dipterocarpum		Aug.-Sept.	Lilac Mauve	4 ft.	50c	5.00	
THYMUS Vulgaris	Thyme			12 in.	15c	1.50	An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.
TRADESCANTIA							A native plant that will thrive almost anywhere. The flowers are curious and produced in a succession throughout the whole Summer. The foliage is like the day lily, is persistent and keeps green all Summer. Desirable for naturalizing.
Virginica	Spider Wort	July-Aug.	Blue	2 ft.	15c	1.50	
Alba		July-Aug.	White	2 ft.	20c	2.00	
TRILLIUM	Wake Robin						One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white. **Per 100, $4.00; Per 1000, $35.00.**
½Grandiflorum		May-June	White	12 in.	10c	1.00	
TRITOMA—Plant in Spring							
TROLLIUS	Globe Flower						Beautiful showy border plants, having luxuriant foliage. Thrive best in semi-shady places and moist situations with heavy soil.
½Asiaticus Fl. Pl. Croceo		May-June	Dark Orange	18 in.	25c	2.50	
Japonicus Excelsior		May-June	Orange	2 ft.	25c	2.50	
VALERIANA	Garden Heliotrope						These are pretty border plants, easily grown and very useful for cutting. The large flat flower heads, when in full bloom, literally cover the plant. Coccinea makes a good rock plant where plenty of room can be given it.
Coccinea		June-Oct.	Red	2 ft.	15c	1.50	
Officinalis		July-Aug.	Pink	5 ft.	15c	1.50	
VERONICA	Speedwell						Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed. Subsessilis is the best of the tall growing species and makes a fine cut flower.
Longifolia Subsessilis		July-Aug.	Blue	2½ ft.	15c	1.50	
Spicata		July-Aug.	Bright Blue	18 in.	15c	1.50	
VINCA							Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live; they soon make a carpet.
Minor	Green Myrtle	June	Blue	4 in.	10c	1.00	
Argentea Variegata		June	Blue	4 in.	20c	2.00	
VIOLA	Violet						Should be planted in every garden, thrives well in partial shade, and is prized for the sweetness of the blossom.
Purple Queen		May-June	Blue	6 in.	15c	1.50	

Ask for FREE pamphlet on the culture of HARDY PLANTS when ordering.

Ornamental AND Flowering Shrubs

BEFORE PLANTING

THE planting of shrubs, or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late fall when most of them display their brightest colored leaves, to be followed by the red berries of many during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions and plans for grouping, for all sites and purposes.

Fall Planting may be commenced about Oct. 15, and continued until frost. Early planting, however, is best.

A denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R. R.), two blocks South of 47th Street, the continuation of East Boulevard.

SHIPPING DIRECTIONS. Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

AFTER PLANTING

ABOUT PRICES OF TREES

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
20c	$0.50	$2.00	60c	$1.70	$6.60
25c	.65	2.50	65c	1.85	7.20
30c	.80	3.00	70c	2.00	7.50
35c	1.00	3.50	75c	2.15	8.00
40c	1.10	4.00	80c	2.25	8.50
45c	1.25	4.50	85c	2.40	9.00
50c	1.40	5.00	90c	2.50	9.50
			$1.00	2.90	11.00

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

Plant in Spring

ACER Atro-purpureum (Japanese Purple-leaved Maple)

ALMOND, DOUBLE-FLOWERING (B)

ALTHEA FRUTEX (Rose of Sharon) (A)

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., **40c.**

AMORPHA (B)

HARDY, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year bushy, **40c;** 3-year bushy, **50c.**

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, **30c;** 3-year, **50c.**

ARALIA (The Angelica Tree)

THE luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Mandshuricus. A very handsome shrub of erect habit and very large, much divided spiny leaves. 2 to 3 ft., **50c;** 3 to 4 ft., **60c.**

Maximowiczi. (A.) A remarkable small tree with upright, spiny trunk Leaves rich deep green, on strong, long stems. 2 to 3 ft., **50c.**

Pentaphylla. (B.) A pretty Japanese shrub of med. size, rapid growth, branches furnished with spines, leaves five lobed. 2 to 3 ft., bushy, **35c;** 3 to 4 ft., **60c.**

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 2 to 3 ft., **50c;** 4 to 5 ft., **75c;** 5 to 6 ft., **$1.00;** 8 to 10 ft. specimens, **$1.50.**

AZALEA MOLLIS (C)

A beautiful variety from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Requires partial shade. 10 to 20 buds, **75c.**

BERBERIS (Barberry)

HARDY shrubs with thorny branches, thriving in almost any kind of soil. They are of inestimable value in the plantations, both on account of the profuse and highly colored fruits and the gorgeous colors of the autumn foliage.

Ilicifolia. (Holly-leaved Barberry). (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 15 to 18 in., **75c;** 2 ft., **$1.00.** These prices are for stock with ball of earth and burlapped.

Japonica. 12 to 15 in., bushy, each **30c;** 100 **$20.00;** 18 to 24 in., bushy, each **40c;** 100, **$28.00;** 3 to 4 ft., each **50c.**

Vulgaris. (European Barberry). (B). A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1 to 2 ft., **25c;** per 100, **$12.00;** 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., specimens, each **60c.**

Vulgaris Purpurea. (Purple-leaved Barberry). (B). Especially remarkable for purple foliage and fruit. When fully grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. Endures partial shade and is perfectly hardy. 1½ to 2 ft., each **35c;** 2 to 3 ft., each **40c;** per 100, **$35.00;** 3 ft., extra bushy, each **60c.**

Thunbergii. (Japanese Barberry.) (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

Age	Height	Each	Three	Doz.	100
1-year	10 to 12 in. (1000, $25.00)	$0.15	$0.30	$1.00	$6.00
2-year	15 to 18 in. (1000, $40.00)	.20	.40	1.25	10.00
3-year	18 to 24 in.	.30	.80	3.00	22.00
4-year, bushy		.40	1.10	4.00	30.00
5-year, extra bushy		.75	2.15	8.00	60.00
5-year Specimens		1.00	2.90	11.00	75.00

BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac)

Plant in Spring

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

THE Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. Nice bushy stock: 1½ to 2 ft., extra bushy, **40c**; 2 to 3 ft , extra bushy, **50c.**

CARAGANA SIBERICA (Siberian Pea Tree) (A

A LARGE shrub with compound leaves, consisting of 8 to 12 bright green leaflets. Native of Siberia. Flowers yellow, in numerous small clusters in late spring Grows 10 to 12 feet tall. 1½ to 2 ft., **35c each.**

CEANOTHUS AMERICANA (Jersey Tea) (B)

A SMALL shrub with a profusion of white flowers in crowded panicles, in June, One of the best shrubs for growing in shady places. 1 ft., bushy, **50c**; 1½ ft., bushy, **75c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A HARDY vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 1½ to 2 ft. **35c**; 3 to 4 ft., **60c.**

CERASUS (Flowering Cherry) (A)

Padus (Bird Cherry) Bears dense panicles of white flowers in early spring—a very picturesque shrub. 3 to 4 ft., **50c.**

Serotina (Wild Black Cherry). A shrub or small tree, covered with white blossoms in Spring, in long loose racemes; purplish black fruit in Autumn. Long narrow leaves. 3 to 4 ft., **60c.**

BECHTEL'S DOUBLE-FLOWERING CRAB

CHIONANTHUS VIRGINICA (White Fringe Tree)

LARGE shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 1½ to 2 feet, **45c**; 2 to 3 feet, **60c.**

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A STURDY compact shrub, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shrub. Thrives in moist loamy soil. 1½ to 2 ft., bushy, **50c.**

CORCHORUS (Kerria)

(The Globe Flower or Japanese Rose)

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., bushy, **50c.**

Japonica Argentea Var. (B) A pretty dwarf variety with small, green foliage edged white, slender grower, A valuable dwarf shrub. 1 to 1½ ft., bushy, **35c.**

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1 to 1½ ft., bushy, **40c.**

CORNUS (Dogwood)

HARDY and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and water side planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., **45c.** 3 to 4 ft., **60c.**

Mas. (Cornelian Cherry) (B) One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 1½ to 2 ft., **35c.** 2 to 3 ft., extra bushy, **50c**; 3 ft., bushy, **60c.**

BERBERIS THUBERGII

CORNUS—Continued

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft , **45c**; 3 to 4 ft., bushy, **60c**; 5 to 6 ft. Specimens, extra bushy, **75c.**

Sericea. (Silky Dogwood) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October; 3 to 4 ft., bushy, **50c.**

Siberica. (Siberian Red Osier) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy.

Height	Each	Three	Doz.	100
1½-2 ft.	$0.30	$ .80	$3.00	$20.00
2-3 ft. extra bushy	.40	1.10	4.20	30.00
3-4 ft. " "	.50	1.40	5.40	35.00
4-5 ft. " "	.60	1.70	6.60	45.00
Specimens 5-6 ft. "	75c to $1.00	....	....	.....

Stolonifera. (Red Osier Dodwood). May. Spreading habit; dark red bark and white berries, A very hardy shrub. 2 to 3 ft., bushy, **45c**; per 100, **$30.00.** 3 to 4 ft., extra bushy **60c**; per 100, **$45.00.**

Stolonifera Aurea. (Golden-twigged Osier) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., **45c**; 3 to 4 ft., **60c.**

CRAB (Bechtel's Double-Flowering) (A)

MOST beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., extra fine, **$1.00**; 4 to 5 ft , extra fine, **$1.75**; 5 to 6 ft., Specimens, **$3.00 to $4.00.**

(See also Malus Floribunda.)

CRATAEGUS (Hawthorn)

Crus Galli. (Cockspur Thorn.) **(C.)** A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 2 to 3 ft., bushy, **60c**; per 100, **$45.00**; 3 ft., extra bushy **75c.**

EUONYMUS ALATUS

FORSYTHIA SUSPENSA

CYDONIA (Pyrus)

HARDY shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) **(B.)** A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., bushy, **35c;** per 100, **$25.00;** 2 to 3 ft., extra bushy, **50c;** per 100,**$40.00;** 3 to 4 ft. bushy, **60c;** per 100,**$45.00;** 4 to 5 ft. Specimens,**75c.**

Cardinalis (B.) Beautiful brilliant Cardinal red. 2 to 3 ft. bushy, **60c.**

Maulei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 12 to 18 in., **50c;** 1½ to 2 ft., **60c.**

Nivalis. (Snow Pearl). A handsome tree, with its silvery foliage and masses of white blossoms in spring. 12 to 18 ins., **35c;** 2 to 3 ft., bushy, **50c.**

Rubra Grandiflora. Deep crimson flowers, with very showy fruit, 1½ to 2 ft., **45c;** 2 to 3 ft., **60c.**

Simonii. (Sand Pear). A very ornamental rapid growing tree, with masses of white blossoms and deep green foliage. 1½ to 2 ft., bushy, **45c.**

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 1 to 1½ ft., **40c;** 2 to 3 ft., bushy, **50c;** 3 to 4 ft., **60c;** 4 to 5 ft., **75c.**

DESMODIUM PENDULIFLORUM (C)

A SHRUB-LIKE plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, **40c;** 3 year, **50c.**

DEUTZIA

WE are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

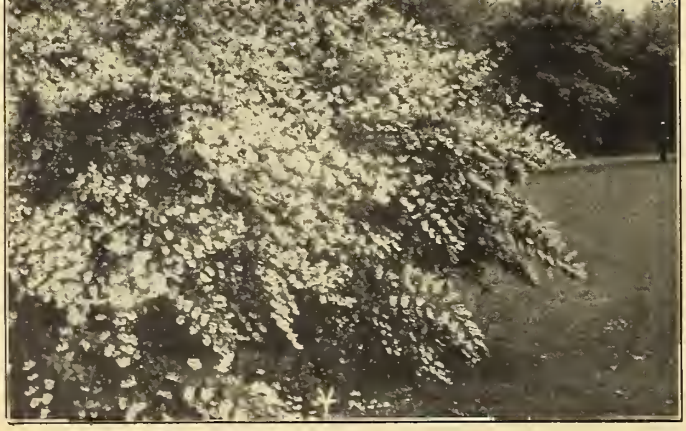
Crenata Rosea fl. pl.(B.) Very similar to Crenata fl. pl., but very showy, with its outer petals a handsome rosy purple. 3 to 4 ft., **50c;** 4 to 5 ft., extra bushy, **65c.**

Crenata Fortunei. (B.) One of the best of the Deutzias, the flowers being larger than in many of the others. 1½ to 2 ft., **35c.**

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 12 to 15 ins., **30c;** 1½ ft. Extra bushy, **40c.**

Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1½ to 2 ft , **40c.**

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 1½ to 2 ft., **35c;** 3 to 4 ft. bushy, **50c;** 4 to 5 ft. Specimens, **60c.**



DEUTZIA CRENATA

DIERVILLA. See Weigelia.
ELDER. See Sambucus.

DOGWOOD. See Cornus.

ELEAGNUS (Silver Thorn)

Angustifolia. (Russian Olive.) **(B.)** A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 1½ to 2 ft., **35c;** 2 to 3 ft., **45c.** 3 to 4 ft., **55c;** 4 to 5 ft., **75c.**

EUONYMUS (Strawberry or Burning Bush)

HARDY shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush). **(B.)** Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 3 to 4 ft., **$1.50;** 4 to 5 ft., extra bushy, **$2.00;** 5 to 6 ft. Specimens, **$5.00** to **$6.00;** 6 to 7 ft. Specimens, **$6.00** to **$7.00.** (See illustration on page 127.)

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 1½ to 2 ft., **35c;** 2 to 3 ft., **50c;** 3 to 4 ft., **60c;** 4 to 5 ft., **75c;** 5 to 6 ft. Specimens, **90c;** 6 to 7 ft. Specimens, **$1.00.**

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A VIGOROUS growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 1½ to 2 ft., **35c;** 2 to 3 ft. bushy, **50c;** 3 to 4 ft., **60c;** 4 to 5 ft., **75c.**

CLETHRA ALNIFOLIA

FORSYTHIA (Golden Bell)

THESE are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very earlyin spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. (Fortune's Forsythia.) **(B.)** A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 1½ to 2 ft., **35c;** 3 to 4 ft., **50c;** 6 ft. Specimens, **75c.**

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., **35c;** 2 to 3 ft., extra bushy, **50c;** 3 to 4 ft., extra bushy, **60c;** 4 to 5 ft. Specimens, **75c.**

Suspensa. (The Weeping Forsythia). **(B.)** A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 1½ to 2 ft., **35c;** 2 to 3 ft., **40c;** 3 to 4 ft. extra bushy, **60c.**

Viridissima. (B.) A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in spring. 2 to 3 ft., **35c;** 4 to 5 ft., bushy, **50c.**

GUELDER ROSE. See Viburnum Sterilis.

GLEDITSCHIA (Honey Locust) (B)

Triacanthos. (Three-thorned Gleditschia). A rapid growing native tree, with powerful spines and delicate foliage. Used for hedges. 3 to 4 ft., **25c each;** 4 to 5 ft., **35c.**

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A HARDY shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. 2 to 3 ft., **50c;** 3 to 4 ft., **60c.**

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A LARGE shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn; 2 to 3 ft., **40c.**

"PLANTING Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

Selection of Shrubs for Hedges.

Bush Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota and Amoor, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

HYDRANGEA

ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

THIS new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnum and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, **40c**; 3-yr., extra bushy, **45c**; 4-yr., extra bushy, **60c**,

Cinerea Sterilis. (Hills of Snow.) Very similar to the preceding, but leaves are silvery white underneath. Very hardy, 2 year, **35c**; 3 year, **45c**; 4 year, **60c**; 4 year Specimens, **75c.**

HYDRANGEA PANICULATA GRANDIFLORA (A)

TENS of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

	Each	Three	Doz.		Each	Three	Doz.
2-year, heavy	35c	$1 00	$3 50	4-year	60c	$1 70	$6 00
3-year	45c	1 25	4 50	4-year Specimens	75c	2 15	7 00

(Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. Extra selected, 3 ft. stem, **75c.**

HYPERICUM (St. John's Wort)

Calycinum. (Aaron's Beard.) A low trailing species, with deep yellow flowers, excellent for rocky places and ground covering; a constant bloomer. 3 yr., **35c each.**

LIGUSTRUM (Privet)

THESE are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Amurense. (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
1½ to 2 ft	$0.25	$0.65	$2.40	$15.00
2 to 3 ft., bushy	.30	.80	3.00	18.00
3 to 4 ft., extra bushy	.40	1.10	4.20	28.00
4 ft. Specimens	.50	1.40	5.00	....

Ciliatum Small Japanese shrub with pointed elliptical leaves, white flowers followed by black berries the size of a pea. 12 to 18 in., extra bushy, **20c**; per 100, **$12.00**; 2 to 3 ft. bushy, **35c**; per 100, **$20.00**; 3 to 4 ft. extra bushy, **50c.**

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

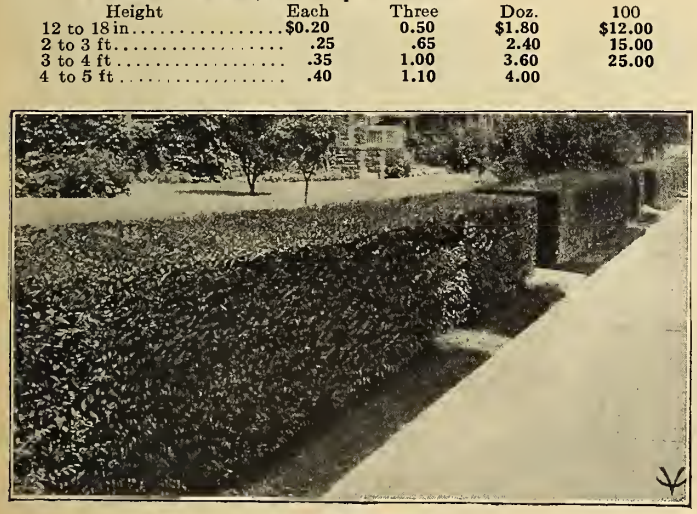
Height	Each	Three	Doz.	100
12 to 18 in	$0.20	$0.50	$1.80	$12.00
18 to 24 in	.25	.65	2.40	15.00
2 to 3 ft., bushy	.35	1.00	3.50	20.00
3 to 4 ft., extra bushy	.40	1.10	4.00	30.00
4 ft. Specimens,	.60			

Ovalifolium. (California Privet.) (B.) Plant in spring.

Regelianum. (Prostrate Privet.) (B) This beautiful graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 1 to 1½ ft., **30c**; per 100, **$18.00**; 2 to 3 ft., **35c**; per 100, **$25.00**; 3 to 4 ft., **40c**; per 100, **$30.00.**

Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
12 to 18 in	$0.20	0.50	$1.80	$12.00
2 to 3 ft	.25	.65	2.40	15.00
3 to 4 ft	.35	1.00	3.60	25.00
4 to 5 ft	.40	1.10	4.00	



PRIVET HEDGE

HYDRANGEA—"Snowball"

LILAC (True Syringa) (B)

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 2 to 3 ft., **40c**; 3 to 4 ft., **60c.**

Bertha Dammann. Magnificent pure white flowers. 3 to 4 ft., **50c.**

Belle de Nancy. This is an exceedingly fine variety. Immense trusses of pink flowers with white eye. 1½ to 2 ft., **75c each.**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 1½ to 2 ft., **each, 40c**; 2 to 3 ft., extra bushy, **each, 50c**; 3 to 4 ft., extra bushy, **60c**; 4 to 5 ft., extra bushy, **$1.00.**

Congo. Large spikes, with beautiful, dark red flowers. 2 to 3 ft., **60c.**

Crampel. Large trusses and flowers of pale lavender blue. 2 to 3 ft., **60c.**

Doyen Keteleer. Very large pale lavender spikes. Very fine. 1½ to 2 ft., **75c each.**

Dr. Bretschneider. Purplish buds, opening white. 2 to 3 ft., **60c.**

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilac, bloom in June. 2 to 3 ft., **60c.**

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through. 1½ to 2 ft., **30c**; 2 to 3 ft., **40c**; 4 to 5 ft., **60c**; 6 to 7 ft. Specimens, **$1.00**; 7 to 8 ft., **$1.50.**

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 2 to 3 ft., **50c.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., **45c**; 3 to 4 ft., **60c.**

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 2 to 3 ft., **45c**; 3 to 4 ft., extra bushy, **60c**; 4 to 5 ft., **75c.**

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 2 to 3 ft., **45c**; 3 to 4 ft., bushy, **55c**, 4 to 5 ft., bushy, **75c**; 5 to 6 ft. Specimens, **$1.00.**

Othello. Single, dark purplish red, large graceful panicles, 2 to 3 ft., **60c.**

President Grevy. Flowers double, large handsome blue trusses. 2 to 3 ft., **60c.**

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., **45c**; 3 to 4 ft., **60c**; 4 to 5 ft., **75c.**

Rothomagensis. (Rouen Lilac.) (M.) May. Has arching branches and large, loose, reddish purple flower-plumes that are variable in color. The narrow leaves differ from those of any other lilac. 1½ to 2 ft., **45c**; 2 to 3 ft., bushy, **60c.**

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., bushy, **each, 40c**; per 100, **$28.00**; 3 to 4 ft., extra bushy, **each, 50c**; 4 to 5 ft., extra bushy, **75c**; 5 to 6 ft. Specimens, **$1.00.**

Souvenir de L. Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 1½ to 2 ft., **40c**; 2 to 3 ft., **60c.**

Toussaint l'Ouverture. Single, very deep purple flowers, 2 to 3 ft., **60c.**

Villosa. A distinct late variety; large panicles of rosy pink flowers. The foliage resembles that of the Chionanthus bush. 1½ to 2 ft., **35c each.**

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Three	Doz.	100
2 to 3 ft	$0.35	$1.00	$3.60	$28.00
3 to 4 ft	.45	1.25	4.80	38.00
4 to 5 ft	.60	1.70	6.00	40.00
5 to 6 ft	.75	....	....	....
6 ft., Specimens	1.00	....	....	....

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes, 2 to 3 ft., **each, 30c; per 100, $30.00**; 3 to 4 ft., **each, 45c; per 100, $35.00**; 4 to 5 ft., **each, 55c; per 100, $40.00**; 5 to 6 ft., **75c**; 6 ft. Specimens, **$1.00**

Waldeck Rousseau. Fine double flowers of a pale rosy lilac. 1½ to 2 ft., **75c.**

LILACS ON OWN ROOTS

These are hardier and usually live longer than the budded stock Scarce.

Charles X. The best purple lilac. 2 to 3 ft., **$1.25.**

PHILADELPHUS GRANDIFLORUS

LINDERA BENZOIN (Spice Bush)

AN early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 2-yr., **35c.**

LONICERA (Bush Honeysuckle)

HANDSOME upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Height 1 to 2 feet. Well adapted for rock-gardens. 2 year, **35c.**

Bella Albida. An abundance of white flowers, followed by scarlet fruit in great profusion that hang on a long white; fine. 1½ to 2 ft., **35c;** 4 to 5 ft., **75c.**

Bella Candida. A fine variety, producing fruit of red color in great profusion. 4 to 5 ft., **75c.**

Morrowii. (Japanese Bush Honeysuckle) **(B.)** A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 1 to 1½ ft., **30c;** 2 to 3 ft., **40c.**

Tartarica (Tartarian Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tartarica Alba (White Tartarian) **(B.)** 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

Tartarica Rosea (Pink Tartarian) **(B.)** 2 to 3 ft., **30c;** 3 to 4 ft., **40c;** 4 to 5 ft., **50c.**

Virginalis Alba. White flowers, resembling T. Alba. 3 to 4 ft., **45c.**

LYCIUM (Matrimony Vine)

AN old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stems to fall over.

Barbarum. 2 year **25c;** 3 year, **30c.**

MAHONIA

Aquifolium (Holly-leaved Barberry or Oregon Grape). A handsome ornamental shrub with compound leaves, the 5 to 9 leaflets dark lustrous green, spiny toothed. In winter the foliage assumes a bronze or coppery hue. Flowers yellow, in dense clusters, appearing in spring. Berries blue or nearly black. Hardy throughout most of the country, but requires some protection in the colder sections. One of the most desirable of low growing shrubs. The plants we furnish are balled and burlapped and therefore sure to get an early start. 2 year, **50c;** 3 year, **75c** (balled and burlapped).

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries, that remain until Winter. Bright crimson autumn foliage. 2 to 3 ft., **50c;** 3 to 4 ft., **60c.**

Coronaria (Wild Crab-Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 3 to 4 ft., **50c;** 4 to 5 ft., **75c.**

Floribunda (Flowering Crab). Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 4 to 5 ft., **50c;** 5 to 6 ft., **75c;** 6 to 7 ft. Specimens, **$1.00.**

Atro-sanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 3 to 4 ft., **50c;** 4 to 5 ft., **85c;** 5 to 6 ft. Specimens, **$1.00.**

Purpurea. Very handsome foliage bronzy purple at first, changing to bronze green. Covered with bright cherry-red blossoms in spring. An exquisite all round shrub. 4 to 5 ft., **85c;** 6 to 7 ft. Specimens, **$1.00.**

Niedwetskiana. Handsome pinkish white flowers, grand variety. 4 to 5 ft., **85c;** 5 to 6 ft., Specimens, **$1.00.**

Schiedeckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 3 to 4 ft., **75c;** 4 to 5 ft., **$1.00.**

Spectabilis Fl. Albo Pleno. Chinese Double White Flowered Crab. 3 to 4 ft., **75c.**

Spectabilis Fl. Roseo Pleno. Chinese Double Rose Flowered Crab, nearly 2 inches in diameter. 3 to 4 ft., **60c;** 5 to 6 ft. Specimens, **$1.00.**

MATRIMONY VINE—See Lycium.

MORUS (Mulberry)

Tartarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 1 to 1½ ft., **25c;** per 100, **$12.00;** 1½ to 2 ft., **30c;** per 100, **$15.00;** 2 to 3 ft., **35c;** per 100, **$25.00.** For larger sizes, see Trees.

PHILADELPHUS OR SYRINGA (Mock Orange)

INDISPENSABLE well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 2 to 3 ft., bushy, **each, 40c;** 3 ft., bushy, **50c.**

Bouquet Blanc. Double or semi-double flowers; very floriferous. 2 to 3 ft. bushy, **40c;** 3 to 4 ft. bushy, **50c.**

Coronarius Aureus (Golden leaved Mock Orange), Much prized for its bright effect. 1½ to 2 ft., **40c;** 2 ft. extra bushy, **60c.**

Coronarius Fl. Pl., (A). Covered with sweet scented double white flowers in June. 2 to 3 ft., bushy, **50c.**

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 2 to 3 ft., extra bushy, **60c.**

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 1½ to 2 ft., **25c;** 2 to 3 ft., bushy, **35c;** 3 to 4 ft., bushy, **50c;** 4 to 5 ft., bushy, **75c;** 5 to 6 ft., bushy, **$1.00.**

Lemoinei Erectus (B.). A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 2 to 3 ft., bushy, **40c;** 3 to 4 ft., **50c.**

Manteau d'Hermine. Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 1 to 1½ ft., **40c;** 2 to 3 ft., bushy, **75c.**

PRIVET. See Ligustrum.

PRUNUS (Plum)

Ornamental and Flowering Varieties.

BURBANK'S OTHELLO PLUM. (Purple-leaved Plum.) Introduced by us many years ago, having purchased the first and only tree from the originator. It is an ornamental shrub of rare beauty, the growth is vigorous and upright. The white flowers appear early in spring before the leaves and literally cover the tree. The foliage is deep crimson purple, lighter on the under side of leaves, holds well into the fall, forming a grand contrast with the lighter tints of other shrubs. It is very similar to Prunus Pissardi, but much hardier.

Height	Each	Three	Doz.
5 to 6 ft	$1.00	$2.90	$11.00
6 to 7 ft	1.25	3.50	....
7 to 8 ft	1.50	4.25	....
8 ft. Specimens	2.00	....	....

Pissardi (A.) (Purple-leaved Plum.) A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 2 to 3 ft., **40c;** 3 to 4 ft., 60**c;** 4 to 5 ft., **75c.**

Spinosa (Blackthorn, Irish Shillelagh.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 3 to 4 ft., **40c;** 5 to 6 ft., **60c;** 6 ft. Specimens, **75c.**

Tomentosa. (B.) This shrub covers itself in early spring with pink blossoms and in early fall it produces an abundance of red cherry-like fruit, edible by man and beast, and much sought after by birds. 3 to 4 ft. bushy, **50c.**

Triloba (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. Bush form, 2 to 3 ft., **50c;** 3 to 4 ft., **75c.** Tree form, 4 to 5 ft., **$2.00.**

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 3 to 4 ft., **30c;** per 100, **$25.00;** 5 to 6 ft., **50c;** 6 to 7 ft. Specimens **75c.**

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is FREE.

MAHONIA (Oregon Grape)

RHAMNUS (Buckthorn)

HARDY vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils, and are not adverse to partial shade.

Catharticus (A.) A fine, robust shrub, with dark green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., **each, 30c;** per 100, **$22.00;** 3 to 4 ft., **40c;** 4 to 5 ft., **50c.** 6 to 7 ft. Specimens, **75c.**

Frangula (Alder Buckthorn) **(B.)** A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 3 to 4 ft., **35c.**

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., **each, 40c;** 3 to 4 ft., bushy, **50c.**

RHUS (Sumach)

Copallina (Dwarf or Shining Sumach). **(D.)** Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 2 to 3 ft., **60c.**

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 1½ to 2 ft., **25c;** 2 to 3 ft., **30c;** 3 to 4 ft., **50c.**

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 2 to 3 ft., **25c;** 3 to 4 ft., **35c;** 4 to 5 ft., **40c.**

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., **30c;** 3 to 4 ft., **50c.**

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 2 to 3 ft., **25c;** 8 to 10 ft., **$1.00.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., **30c;** 3 to 4 ft., **45c;** 5 to 6 ft., **60c;** 8 to 10 ft. **75c** to **$1.00.**

RIBES OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 1½ to 2 ft., **40c.**

Aureum (Yellow-flowering, or Missouri Currant.) **(B.)** A native shrub with glabrous shining leaves and yellow sweet scented flowers in June. 2 to 3 ft., bushy, **35c;** 3 to 4 ft., bushy, **40c;** 5 to 6 ft. Specimens, **75c.**

ROBINIA HISPIDA (Rose Acacia) (A)

A VERY handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 1½ to 2 ft., **50c**

ROBINIA (Black Locust)

Pseud-asacia. A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 3 to 4 ft., **25c;** 4 to 5 ft., **35c;** (for larger sizes see trees).

PUSSY WILLOW (Salix Discolor)

ROSA (Rose)

Blanda. (Meadow Rose.) Pink flowers followed by red berries. Very ornamental in winter. 2 yr., **30c;** 3 yr., **40c.**

Carolina. Very similar to above. 2 yr., **30c;** 3 yr., **40c.**

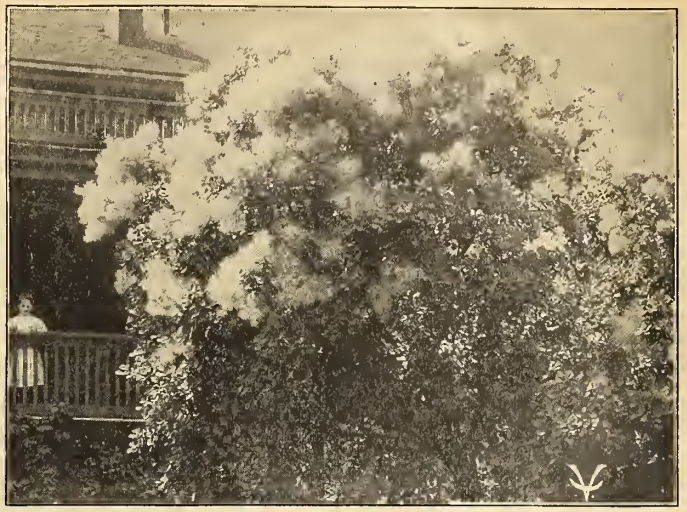
Lucida. Single bright pink flowers, with bright red bark and berries in winter. 2 yr., **30c;** 3 yr., **40c.**

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr., **30c;** 3 yr., **40c.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2 yr., **30c;** 3 yr., **40c.**

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 2 yr., **30c.**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. 2 yr., **30c;** 3 yr., **40c.**



RHUS COTINUS

SALIX (Willow)

THE Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Britzensis. (Golden Russian Willow.) Short trunk, dense growth of golden yellow branches; leaves silvery white. 1½ to 2 ft., **25c;** 5 to 6 ft., **40c;** 6 to 7 ft., **50.**

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 18 to 24 inch, **25c;** 3 to 4 ft., **30c;** 4 to 5 ft., **45c.**

Osier. (Tying Willow). Very vigorous: red bark. This is the best willow for tying. 3 to 4 ft., **30c;** 4 to 5 ft., **50c;** 6 to 7 ft., **60c.**

Viminalis. (Osier Willow, Basket Willow.) A large bush with slender, straight branches, often used for tying material. 3 to 4 ft., **30c;** 4 to 5 ft., **45c.**

SAMBUCUS (Elder)

HARDY vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for water-side and border planting.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Nigra. (The Black Elder.) 3 to 4 ft., **50c;** 5 to 6 ft., **60c.**

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 2 to 3 ft., **35c:** 3 to 4 ft., **50c;** 5 to 6 ft., **60c.**

Racemosa. Attractive red berries in summer. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.** 5 to 6 ft., Specimens, **75c.**

SHAD BUSH. See Amelanchier.
SILVER THORN. See Eleagnus,
SMOKE TREE. See Rhus Cotinus.
SNOWBALLS. See Viburnum,
SNOWBERRY. See Symphoricarpus.
SWEET BRIAR. See Rosa Rubiginosa.
SWEET SHRUB. See Calycanthus.

SPIRAEA

A LARGE group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 to 1½ ft., **35c;** 1½ ft., extra bushy. **50c.**

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 1½ to 2 ft., **30c;** 2 to 3 ft. extra bushy, **40c;** 3 to 4 ft., extra bushy, **75c.**

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 1½ to 2 ft., **35c;** 3 to 4 ft., **50c.**

Bumalda. A bushy plant with good foliage and abundance of rose pink flat flower heads. Desirable as an edging for shrubberies. 1½ to 2 ft., **50c.**

Bumalda Walluf. Very similar in habit to the preceding. 12 to 18 in., **50c.**

SPIRAEA BILLARDII

SPIRAEA VAN HOUTTEI.

SPIRAEA—Continued

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1½ to 2 ft. **50c.**

Callosa Froebeli Variegata. A variegated leaved, free-flowering variety, flowers rose. 1½ to 2 ft. **50c.**

Callosa Rubra. (Fortune's Spiraea.) **(D.)** Has large panicles of deep rosy blossoms, grows freely and blooms nearly all summer. 1½ to 2 ft. **50c.**

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 3 to 4 ft. **50c;** 4 to 5 ft. **75c;** 5 to 6 ft. Specimens, **85c;** 6 to 7 ft., **$1.00.**

Opulifolia aurea. (Golden-leaved Nine Bark.) **(B.)** Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., **35c.**

Prunifolia Fl. Pl. (Double Flowered Plum-leaved Spiraea.) A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

Sorbifolia. **(B.)** A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July, 2 to 3 ft., **40c.**

Thunbergii. (Thungberg's Spiraea.) **(B.)** Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow 1½ to 2 ft., bushy, **30c;** 2 to 3 ft., extra bushy, **50c;** 3 ft. Specimens, **75c.**

Van Houttei (Bridal Wreath) This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	Three	Doz.	100
1 to 1½ ft	$0.25	$0.65	$2.40	$15.00
1½ to 2 ft.....	.35	1.00	3.60	20.00
2 to 3 ft.....	.40	1.10	4.00	25.00
3 ft. extra bushy.....	.50	1.40	5.40	30.00
3-4 ft " "	.60	1.70	6.60	45.00
4-5 ft " "	.75	.....	.....	.....

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and eaves from the ground. 18 to 24 in. Extra bushy, **35c.**

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Racemosus. (Snowberry.) **(B.)** A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. 1½ to 2 ft., **30c;** 2 to 3 ft., bushy, **35c.**

Vulgaris. (Coral-Berry or Indian Currant.) **(B.)** A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, **30c;** 3 to 4 ft., **35c.**

WEIGELIA—Eva Rathke

TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders, and valuable for seaside.

Amurense. A splendid new hardy variety, with silky pink tassels; flowers all summer. 1½ to 2 ft., **25c;** 2 to 3 ft., **40c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 1½ to 2 ft., **35c;** 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

Carlesii. A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 12 to 15 ins., extra bushy, **$1.00;** 2 ft. extra bushy, **$1.25** (balled and burlapped).

Dentatum. **(B.)** May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 3 to 4 ft., extra bushy, each, **50c.;** 4 to 5 ft., **75c.**

Lantana. (Early white Lantana-leaved Viburnum.) **(A.)** Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 1½ to 2 ft., **35c;** 3 to 4 ft., extra bushy, **50c;** 4 to 5 ft., Specimens, **$1.00;** 5 to 6 ft. specimens, **$1.50.**

Molle. A variety similar to V. Dentanum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., **40c;** 3 to 4 ft., **50c;** 4 to 5 ft., **75c.**

Opulus. (High Bush Cranberry.) **(A.)** May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 2 to 3 ft., bushy, **40c;** 3 to 4 ft. extra bushy, **50c;** 4 to 5 ft. extra bushy, **60c;** 5 to 6 ft. Specimens, **75c.**

VIBURNUM CARLESII

Plicatum. (Japanese Snowball.) The old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 feet high. It blossoms in early June, being covered with large balls of flowers as white as snow. 2 to 3 feet, bushy, **40c;** 3 to 4 feet, bushy, **50c.**

Pyrifolium. (Pear-Leaved V.) Flowers white and fragrant, blooming about two weeks later than other varieties. 2 to 3 ft., **40c;** 3 to 4 ft., bushy, **60c.**

Rhytidophyllum. Large, deep green, corrugated leaves, 6 to 8 inches long. Very decorative. Terminal umbels of yellowish white flowers, followed by dark red berries in fall. New and distinct. Each, **$1.00.**

Sterilis. (Old Fashioned Snowball.) Too well known to require description. 1½ to 2 ft., **25c;** 2 to 3 ft., bushy, each **35c;** 3 to 4 ft., extra bushy, **50c;** 4 to 5 ft., extra bushy, **75c;** 5 to 6 ft., Specimens, **$1.50.**

Tomentosum. **(B.)** The single form of the beautiful Japan Snowball.; Flowers pure white, in great profusion early in June. Perfectly hardy vigorous and free-blooming; very desirable. 2 to 3 feet, **50c;** 3 to 4 ft.. **60c.**

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 1½ to 2 ft. **35c;** 2 to 3 ft., **40c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Candida. White Weigelia, flowering throughout the summer. 2 to 3 ft., **35c;** 3 to 4 ft., **45c.**

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all Weigelias. 2 to 3 feet, **35c;** 3 to 4 feet, **40c.**

Floribunda. Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

Nana Variegata. **(C.)** One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft. **60c.**

Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft. **35c;** 3 to 4 ft., **50c.**

Sieboldi Variegata. (Variegated-Leaved Weigelia.) One of the handsomest variegated-leaved dwarf shrubs grown. The foliage is edged with silvery white. Flowers, pink, June. 2 to 3 ft., **50c.**

WILLOW. See Salix. **WITCH HAZEL.** See Hamamelis.

Shade and Ornamental Trees

WE invite a visit to our Nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of Specimens such as are not usually seen. Our Nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.,) two blocks south of 47th Street on the continuation of East Boulevard.

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

SHIPPING DIRECTIONS: Tree orders amouting to **$10.00** and over include prepayment either by express or freight, within limits of Chicago. Otherwise Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

ALDER (Alnus)

Glutinosa. (European or Common Alder.) A remarkably rapid-growing tree, attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. 10 to 12 ft. 2 in. cal.,, **$2.00.**

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 3 to 4 ft., **25c;** 4 to 5 ft., **35c;** 10 to 12 ft., 2½ in. cal., **$2.50;** 10 to 12 ft., 3 in. cal., **$3.00;** 10 to 12 ft., 4 in. cal., **$4.00;** 4½ in. cal., **$5.00.**

Excelsior. (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 10 to 12 ft. 2½ inch cal., **$3.00;** 3 inch cal., **$3.50;** 10 to 12 ft., 4 in. cal., **$4.00.**

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 3 to 4 ft., **25c;** 4 to 5 ft., **35c;** 10 to 12 ft., **$1.75;** 12 ft., 2 in. cal. **each $2.00;** 12 ft. 2½ in. cal. **$2.50;** 12 ft., 3 in. cal., **$3.00;** 12 ft. 4 in. cal., **$4.00.**

BIRCH (Betula)

Alba Laciniata. (European White Weeping Birch.) A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. 8 to 10 ft., **$2.50.**

Lenta. (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 12 ft. 2 to 3 in. cal., **$4.00 each.**

BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 6 to 8 ft., **$1.25;** 12 to 14 ft., 3 to 3½ in. cal., **$4.00.**

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for lansdcape designing, especially for formal effects. 5 ft. clear stem, **$2.00;** 6 ft., **$2.50.**

Kaempferi. (Japan Catalpa.) A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than Syringaefolia. 4 to 5 ft., **35c;** 5 to 6 ft., **60c;** 12 to 14 ft., 2 to 2½ in. cal., **$3.00 each;** 12 to 14 ft., 3 in. cal., **$4.00.**

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 4 to 5 ft., **50c;** 6 to 8 ft., **75c each;** 10 to 12 ft., **$1.25;** 10 to 12 ft. 2½ inch cal., **$2.50;** 3 inch cal., **$3.00;** 12 to 14 ft. 3½ in. cal., **$4.50;** 12 to 14 ft., 4 in. cal., **$5.00 each.**

Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters of white and purple fragrant flowers. 4 to 5 ft., **35c;** 5 to 6 ft., **60c;** 12 to 14 ft. 3 in. cal., **$3.50.**

ELM (Ulmus)

American. The ideal street tree. We offer shapely trees.

Height	Caliper	Each	100
8 to 10ft		$0.75	
10 to 12 ft.,	1½ to 2 in..	2.00	$185.00
10 to 12 ft.,	2½ in.....	2.60	225.00
10 to 12 ft.	3 in.	$3.25 to 4.00	
12 to 14 ft.	3 in.	$4.00 to 5.00	

Height	Caliper	Each
12 to 14 ft.	4 in.....	$ 6.00 to $10.00
12 to 14 ft.	5 in. cal..	12.00 to 15.00
12 to 14 ft.	6 in. cal..	18.00 to 22.00
14 to 16 ft.	7 in. cal..	22.00 to 30.00
14 to 16 ft.	8 in. cal..	35.00 to 40.00

Write for prices on larger lots.

English Elm. (U. Campestris.) A large tree with spreading branches forming Pyramidal heads. Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree in both lawns and avenues. 10 to 12 ft., 1½ in. cal., **each $2.75;** 10 to 12 ft. 2 in. cal., **$3.50;** 10 to 12 ft., 2½ in. cal., **$4.00;** 12 to 14 ft., 2½ in. cal., **$5.00 each;** 12 to 14 ft., 3 in. cal., **$5.50;** 12 to 14 ft., 4 in. cal., **$7.50 each.**

Scotch Elm. (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn. 10 to 12 ft., 1½ in. cal., **$2.75;** 10 to 12 ft., 2 in cal., **$3.25;** 10 to 12 ft., 2½ in. cal., **$4.00;** 10 to 12 ft., 3 in. cal., **$5.00.**

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Poplar. Very distinct and beautiful. 8 to 10 ft., **$1.75; each;** 12 ft., 2 to 2½ in. cal., **$3.50 each;** 12 ft., 2½ in. cal., **$5.00 each.**

Campestris Dampieri, Pyramids 10 ft. **$2.00 each.**

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 6-year heads, **$15.00 to $20.00 each.**

Montana Var. Camperdown Pendula. (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. 8-ft. stems, 4, 5 and 6 year heads, **$12.00 to $20.00 each.**

Purpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances. 12 ft., 2½ inch cal., **$3.00 each;** 12 ft., 3 in. cal., **$4.00;** 14 ft. 3½ in. cal., **$5.00 each.**

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., **$1.50 each.**

GINGKO BILOBA (Maidenhair Tree)

THIS tree is remarkable as a deciduous member of the Pine family, with leaves that resemble those of the Maidenhair Fern. Its value lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds, Of medium height, pyramidal in growth, sparsely branched, and of characteristic irregular outline. 6 to 8 ft., **$1.75 each;** 8 to 10 ft. 2 in. cal., **$3 50 each;** 10 to 12ft. 2½ in. cal., **$5.00 to $8.00 each.**

HORSE CHESTNUT (Aesculus Hippocastanum)

European Horse Chestnut. An extremely ornamental and valuable shade tree. The leaves are large, divided into 5 spreading leaflets. It flowers in May, throwing up quantities of beautiful large white spikes. Prefers a moist situation. 10 to 12 ft., **$2.00 each.**

Ornamental Trees—Continued

JUDAS TREE (Red Bud)

IT blooms in early spring. Its masses of small delicate rosy red flowers wreathe the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., **$1.00 each;** 6 to 7 ft., **$1.25 each.**

LINDEN (Tilia)

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. Grows well in light soil. 8 to 10 ft., 2 in. cal., **$2.00** to **$3.00 each.**

Crimean Linden. (T. Dasystila.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green on the upper surface, pale beneath, turning yellow and brown in autumn. A distinct and valuable Linden, 10 ft., 2 in cal., **$2.25 each;** 12 ft., 2½ in. cal., **$3.00 each.**

European Linden. (Tilia Vulgaris.) Develop into symmetrical trees that are splendid for lawn, park or street planting. Thrive best in deep loamy soils. Bush form. 8 to 10 ft., 2 in cal., **$2.50 each.**

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow-Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 3 to 4 ft., **35c each;** 5 to 6 ft., **45c;** 8 to 10 ft., **$1.25;** 10 to 12 ft., **$1.50.**

Honey Locust (American.) (Gleditschia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. Often used for hedges and wind-breaks. 2 to 3 ft., **35c;** 3 to 4 ft., **45c.**

MAPLE (Acer)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until the leaves fall. 8 ft. 2 in. cal., **$4.00 each;** 9 ft., 2½ in. cal., **$5.00.**

Silver Maple. (Dasycarpum.) A large tree with wide spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting with high set branches. 10 to 12 ft., **$1.75 each;** 10 to 12 ft., 2½ in cal., **$2.00 each;** 10 to 12 ft., 3 in cal., **$3.00 to $4.00 each.**

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath and on the young wood, especially deeply and delicately cut. 8 to 10 ft., **$1.25;** 10 to 12 ft., 2½ in cal., **$3.00;** 12 to 14 ft., 3 in cal., **$5.00.**

Norway Maple. (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. Its compact habit and stout vigorous growth render it one of the most desirable species for the street, park or lawn. 8 to 10 ft., **$2.00;** 10 to 12 ft., 2 in cal., **$3.00;** 12 ft., **$4.00** to **$5.00;** 12 ft., 3 in cal., **$6.00** to **$8.00;** 4 in cal., **$10.00** to **$12.00.**

Schwedleri (Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same form and other characteristics of the **Norway Maple.** 8 to 10 ft., **$2.00;** 10 ft., 2 in cal., **$3.00;** 10 ft., 2½ in cal., **$4.00;** 10 ft., 3 to 4 in cal., **$6.00** to **$15.00.**

JAPANESE MAPLE (Acer). Plant in Spring.

A BLOCK OF ENGLISH ELMS AT OUR NURSERIES

NORWAY MAPLE

LOMBARDY POPLAR

MOUNTAIN ASH (Sorbus)

European Mountain Ash. A small pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 8 to 10 ft., **$1.00;** 10 to 12 ft., 2 in. cal., **$1.75;** 10 to 12 ft., 2½ in. cal. **$2.50;** 12 to 14 ft., **$3.50.**

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective. 12 ft., 2 to 2½ in. cal., **$2.00;** 2½ to 3 in. cal. **$2.50.**

MULBERRY (Morus)

Tartarica. (Russian). Very hardy, vigorous grower, fruit of small size, varies in color from white to black. 2 to 3 ft., **35c each;** 3 to 4 ft., **40c each;** 4 to 5 ft., **50c each;** 10 to 12 ft., **$2.00 each.**

PLANE (Platanus)

Plane Tree or Sycamore. (Occidentalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers and fruit pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 6 to 7 ft., **$1.25;** 8 to 10 ft., **$1.50.**

POPLAR (Populus)

RAPID-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., **30c each;** per 100, **$15.00;** 8 to 10 ft., 1 to 1½ in cal., **60c;** 10 to 12 ft., 2 to 2½ in. cal., **$1.00 to $1.50 each;** 10 to 12 ft., 2½ to 3 in. cal., **$2.50 to $3.00 each.**

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind. 6 to 8 ft., **30c each;** per 100, **$12.00;** 8 to 10 ft., 1 to 1½ in. cal., **40c;** 10 ft., **75c each.**

Norway. Very similar to Carolina Poplar. 6 to 8 ft., **30c;** 8 to 10 ft., 2 in. cal., **60c.**

TREE OF HEAVEN (Ailanthus)

Tree of Heaven. (Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 4 to 5 ft., **50c;** 6 to 8 ft., **75c;** 8 to 10 ft., **90c.**

WALNUT (Juglans)

Nigra. (Black Walnut.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 to 8 ft., **$1.00.**

Japonica. (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 4 to 5 ft., **50c.**

Sieboldii. 2 to 3 ft., 50c each; 3 to 4 ft., **60c each.**

GENTLEMEN:

"You certainly have sent me a fine lot of shrubs, the finest I have ever seen for their age, and I am more than well pleased with them. They will make my home look 1000 per cent. better."

TOM WELTON, WAVERLY, NEB.

A WINDBREAK OF HARDY CONIFERS. BLUE SPRUCE IN THE FOREGROUND

Hardy Coniferous Evergreens

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges nothing is to be had which will give as thick and dense foliage during the entire season.

They are especially beautiful while all other ornamentals are bare during our desolate winters. A remarkable contrast may be had by planting in informal masses to form a background for the showy flowers of spring blooming shrubs. Even the beauty of the twigs and branches of small trees and bushes is enhanced by such a planting.

All of our evergreens are transplanted every two years and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during September or in the early spring, April or May.

ABIES (Firs)

Balsamea. (Balsam Fir.) A very erect, pyramidal tree, with dark green foliage; very hardy. 6 ft. **$6.00 each.**

Brachyphylla. (Nikko Fir.) A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 18 in. **$1.50 each;** 2 ft., **$2.00 each;** 3½ ft., **$3.00 each.**

Douglasii (Douglas' Fir.) A fine rapid growing fir for extensive planting, windbreaks etc., or as individual specimens. A most valuable timber tree. 1½ to 2 ft. **35c each;** 2 to 3 ft., **75c each.**

Macrophylla. Leaves flat, crowded, dark green; very lustrous above, feathery white below. Very hardy. 2 ft., **$2.00.**

JUNIPERUS (Junipers and Cedars)

Canadensis. (Canadian Juniper.) Of low spreading irregular form with foliage of light green. Valuable for rockeries and slopes. 3 ft. **$3.50.**

Communis Hibernica. (Irish Juniper.) Now becoming one of best-known and most popular forms of our common Juniper; of uniform rapid growth, requiring but little trimming. 1 ft. **75c each;** 3 ft. **$2.50.**

Communis Neaboriensis. Forms a distinct pyramidal tree 10 to 12 feet in height, of a decidedly fastigate habit. The branches are densely clothed with rich very glaucous foliage. It is one of the handsomest of the Junipers for formal work. 2 ft., **$1.75 each.**

Communis Suecica (Swedish Juniper). More hardy than the Irish Juniper although not so rapid in growth. A beautiful pyramidal form with foliage of a yellowish green. 2 ft., **$2.00 each;** 2½ ft. **$2.50.**

Japonica. Foliage beautiful glaucous green, regularly interspersed with branchlets of a pure white. A distinct, rare and beautiful variety. 1 ft. **$1.00;** 1½ ft., **$1.50 each.**

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens where perpetual green is desired. It attains a height of about 12 ft. 1 ft., **$1.00 each;** 2ft. **$2.25 each;** 2½ ft. **$3.00;** 3 ft. **$4.00 each;** 4 ft. **$5.00;** 5 ft. **$10.00** to **$12.00 each;** 5½ ft. Specimens, **$12.00** to **$15.00 each;** 6 ft. Specimens, **$20.00** to **$30.00 each;** 8 ft., Specimens, **$40.00 each.**

Procumbens (Trailing Juniper). Prostrate creeping habit. Fine for growing over rocks and dry banks. 18 in. by 18 in., **$2.00 each.**

Sabina (Cedar or Savin.) A dwarf spreading evergreen with trailing branches suitable for rock work. 2 ft., **$1.50;** 3 ft. **$4.00** to **$6.00 each.**

Sabina Tamariscifolia Gracilis. A good hardy variety of a trailing and spreading nature, with rich, thick green foliage, growing to the height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 15 in. by 18 ins. **$2.50 each.**

Virginiana (Red Cedar.) A rapid, erect grower, with bright rich green foliage. Very ornamental. 3½ ft., Spec., **$3.00.**

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage, particularly attractive in winter when the golden bronze of the young growth is contrasted with the dark green of the older. 2 ft. **$1.25 each;** 2½ ft. **$2.50.**

JUNIPERUS—Continued

Virginiana Glauca (Blue Virginia Cedar). A vigorous growing variety with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 1½ ft., **$1.00 each;** 2 ft. **$1.75 each;** 3 ft. **$2.50 each;** 3½ ft. **$3.50.**

Virginiana Schottii. Best of all the green Junipers; fine pyramidal form with foliage of a peculiar bright green. 1½ ft., **$1.00 each;** 2 ft., **$1.75 each;** 2½ ft., **$2.25;** 3 ft., **$3.00 each.**

LARIX (Larch)

Europaea. (Common European Larch.) A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 2½ to 3 ft. **60c each;** 3 to 4 ft., **$1.00.**

PICEA (Spruce)

Evergreen trees of pyramidal growth, very hardy and especially suited to Middle, Western and Northern States.

Excelsa (Norway Spruce). A tall and beautiful tree, most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 1 ft. **35c each;** 1 ft. to 1½ ft. **40c each;** 4 ft. **$1.00** to **$1.50 each;** 5 ft. **$2.00 each;** 6 ft. **$3.00.**

Excelsa Nigra (Black American Spruce). A small or medium size tree, a native of Northern America, of great hardiness and particularly useful for planting in the northern states. 2 to 3 ft. **$1.00** to **$1.50;** 3½ ft. **$2.50 each.**

Omorika (Servian Spruce.) A distinct and remarkably ornamental species of dense growth with narrow outline, having shiny leaves of dark green with white lines above. 2½ ft. **$2.25 each;** 3 ft. **$3.00 each;** 4 ft. **$3.50.**

Pungens Glauca Kosteriana (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
18 in.	$1.50	4½ ft.	$11.00 to $12.00
2 to 2½ ft.	$4.00 to 5.00	5 ft.	12.00 to 15.00
2½ to 3 ft.	6.00 to 7.00	5 to 6 ft.	15.00 to 20.00
3½ ft.	8.00	6 to 7 ft.	20.00 to 35.00
4 ft.	9.00 to 10.00	8 ft.	50.00 to 75.00

Pungens Pendula (Weeping Blue Spruce.) A rare and charming form of this popular hardy evergreen. 5½ to 6 ft. **$12.00** to **$15.00 each**

Hardy Coniferous Evergreens—Continued

PINUS (Pines)

Austriaca (Austrian Pine.) A stately tree of pronounced type, growing regulal shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 3 ft. **$2.00 each;** 5 ft. **$3.50, each.**

Montana (Swiss Mountain Pine). An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. Ht. 18 in., diam. 18 in. **$1.50 to $2.00;** Ht. 2 ft. diam. 2 ft. **$3.50 to $4.50.**

Mughus (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown, grayish tinge. 1½ to 2 ft. **$1.00.**

Strobus. (White Pine.) A very beautiful and graceful pine regular in form with horizontal boughs and dark green foliage, growing quite tall and surmounted by a symmetrically formed crown. 1 ft. **50c;** 1½ to 2 ft. **$1.00 each.**

TAXUS (Yew)

Cuspidata (Japanese Yew.) One of the hardiest, of spreading habit, foliage light green. 2 ft., **$1.50 each.**

Cuspidata Brevifolia. A form of the above with short dark, green leaves. A very handsome hardy variety; rare. 1½ ft. **$2.25 each;** 2 ft. **$4.00 each;** 2½ ft. **$5.00 each.**

TSUGA (Hemlock)

Canadensis. (Canadian Hemlock.) A tall and graceful tree with drooping spreading branches of dark glossy green foliage. Indispensable for parks or landscapes. 1½ to 2 ft., **$1.00 each;** 2 to 3 ft., **$1.50 each;** 4 ft. Specimens **$4.00.**

THUYA (Arborvitae)

Occidentalis. (American Arborvitae.) A very pretty shapely tree of pyramidal form. It is a native of America and grows easily, attaining a height of some 20 ft. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. 10 in., **25c;** 2½ ft., **75c;** 3 ft., **$1.50;** 4 ft., **$2.00;** 5 ft. Specimens, **$3.00.** 6 ft Specimens, **$4.50.**

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green. 1½ ft. **$1.00;** 2 ft. **$1.50;** 2½ ft. **$1.75;** 3 ft. **$2.50 each.**

Occidentalis Spiralis. Very hardy and upright growth. 2½ ft., **$2.75;** 3 ft., **$3.50;** 4 ft., **$3.00 each.**

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has a most beautiful dense and and symmetrical form with a rich dark green foliage. 2 to 2½ ft., **$1.25;** 2½ to 3 ft., **$1.75;** 3½ ft., **$2.25 each.**

Pyramidalis. Valuable and very hardy. Habit much like the Irish Juniper. 3 ft., **$2.00;** 4 to 5 ft., **$3.00 each.**

Thuyopsis Standishi. (Japanese Arborvitae.) A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist locations. 2 ft., **$1.25 each;** 2½ ft., **$2.00;** 3 ft., **$2.50.**

Vaughan's Fruit Trees

FOR FALL PLANTING

Fall Planting

Bear in Mind.—All the trees, shrubs, and fruit trees offered in this catalog are for fall planting, and the best results will be obtained by planting during October and November. By so doing they will have made new rootlets and got a "growing hold" in the ground before frost sets in (when all root action ceases) and will be prepared to receive the benefit of the earliest warm spring days and start into growth without delay. Spring-transplanted stock has to lie dormant until new roots are formed for source of nurishment.

Pruning. It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 or 4 buds of the main stem. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

Spraying. Climatic and other conditions vary so greatly for different localities that we strongly advise our customers to obtain data on what, how and when to spray, and materials to use direct from their own State Experiment Station. All of them publish, for free distribution, complete bulletins on this subject and can supply the most reliable and definite information.

SUITABLE DISTANCES FOR PLANTING

	Ft. apart each way		Ft. apart each way
Apples, Standard	30 to 40	Raspberries	1 by 4
Pears and Cherries	20	Currants, Gooseberries	3 to 4
Plums	16 to 20	Blackberries	3 to 7
Peaches	16 to 18	Grapes	8 to 10
Quinces	10 to 12	Strawberries	1 by 3

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects and diseases, will be attached to all freight and express shipments.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

PRICES FOR 3 AND 12 OF A KIND	Each	Three	Dozen	Each	Three	Dozen	Each	Three	Dozen
	$0.35	$1.00	$3.50	$0.50	$1.40	$5.00	$0.80	$2.25	$8.50
	.40	1.10	4.00	.65	1.85	6.50	.85	2.40	9.00
	.45	1.25	4.50	.75	2.15	8.00	1.00	2.90	11.00

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

Apple Trees

OUR apple trees have good open bushy heads forming the foundation for future shapely trees. They are frequently transplanted and have plenty of fibrous roots so that the trees establish themselves quickly after removal from our Nursery rows.

In selecting, one should choose early, midseason and late keeping kinds, so as to have apples in season right through the Fall and Winter months.

Ask for FREE LEAFLET on **planting, manuring and pruning.**

Autumn Strawberry. Red stripes, very white flesb. Bears young. 4 to 5 ft.**35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 8 to 9 ft., **$1.00.**

Baldwin. Large roundish; deep brigbt red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of tbe most popular commercial varieties in nortbern states. Dec. to Marcb. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **85c.**

Banana. Large clear yellow, fine quality. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **85c.**

Ben Davis. Large, bandsome, striped, productive; a late keeper. Tree remarkably bealtby and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., **35c**; 6 to 7 ft., **65c**; 7 to 8 ft., **85c**; 8 to 10 ft., **$1.00.**

Black Ben Davis. Stronger, hardier, and a better drougbt resister tban Ben Davis; fruit large, solid, deep dark red. A very beavy cropper, and splendid shipper. 4 to 5 ft., **35c**; 5 to 6 ft., **50c.**

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank. Fruit large, nearly covered witb brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and sbipper. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, ricb sub-acid flavor, juicy and good. Valuable in all sections for botb market and bome use. Early Sept. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**: 7 to 8 ft., **75c.**

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orcbard and garden; one of the first to ripen. Middle to end of August. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

Gano. Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender, pleasant, mild, sub-acid. A good sbipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, whicb it resembles. Feb. to Marcb. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Golden Russet. Medium size, dull russet, with a tinge of red; flesb greenish, crisp, juicy, and highly flavored; hardy, bears well. November to April. 5 to 6 ft., **50c.**

Grimes' Golden. Greatly prized as a bardy variety, producing annual crops. Medium, roundisb oblate; rich golden yellow, witb small dots; flesb yellow, juicy, tender, crisp, ricb, sprigbtly sub-acid, with a fine aroma. Dec. to Feb. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Jonathan. Medium, pale yellow, nearly covered witb brilliant stripes of lively red; flesb white, juicy, spicy, sub-acid, fine grained, ricb. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

Maiden's Blush. Ratber large, smootb, with a fine evenly shaded red cbeek or blusb, on a clear, pale yellow ground; flesh white, tender, sprightly witb a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 4 to 5 ft., **40c**; 5 to 6 ft., **60c**; 6 to 8 ft., **75c.**

McIntosh Red. Large; skin yellow, nearly covered with brigbt red; flesb wbite tender and juicy. Tree very hardy. Nov. to Feb. 4 to 5 ft., **50c**; 5 to 6 ft., **60c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

APPLE, GOLDEN RUSSET

Newton Pippin. Green Newton Pippin. Medium, roundisb; dull green, with a blusb on the sunny side; flesb greenish white, juicy, crisp witb a fine aroma and delicious flavor. Slow grower; requires higb cultivation. Dec. to May. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Northern Spy. Large, somewbat ribbed. Flesh wbite and tender, witb a mild sub-acid, ricb and delicious flavor. Tbe tree should be kept open by pruning, so as to admit tbe air and ligbt freely. Jan. to June. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

Northwestern Greening. Yellow, smootb, ricb, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. Does well in this vicinity Jan. to June. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft.,**75c**; 8 to 10 ft., **$1.00.**

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, ricb, acid, productive. One of tbe best summer apples. August. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

PEAR, SECKEL

Rome Beauty. Large; yellow and bright red; bandsome; medium quality, good bearer. Dec. to March. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Salome. Tree a strong grower; bolds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, whicb it retains even into summer. May and June. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Snow (Fameuse.) Medium size, roundisb, bandsome, deep crimson; flesb snowy wbite, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **85c.**

APPLE, WEALTHY

APPLES—Continued

Spitzenburg. Large, oblong and tapering; skin smooth, brigbt red, witb numerous russet dots; flesb yellow, crisp, juicy, witb a brisk, rich flavor. A moderate bearer. Dec. to Feb. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

Tolman's Sweet. Medium, pale yellow, sligbtly tinged with red; firm, rich and very sweet; tbe most valuable baking apple; productive. Nov. to April 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Wagener. Medium to large, roundish oblate; yellow, sbaded and marked with red, often full deep red; flesb yellowisb, tender, aromatic, mild sub-acid. Nov. to Feb., 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Walbridge. Medium, handsome, striped red; flesb crisp, tender, juicy. Tree vigorous grower. Especially desirable in cold sections for its hardiness and productiveness. Marcb to June. 5 to 6 ft.,**50c**; 6 to 7 ft., **65c.**

Wealthy. Healthy, hardy and very productive. Medium, yellow, sbaded with deep red in tbe sun, splasbed and spotted in tbe sbade. Flesb wbite, fine, tender, juicy, lively sub-acid; very good. One of tbe most desirable late fall and early winter varieties. Oct. to Jan. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft. **75c.**

Wine-Sap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in tbe west Dec. to May. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded witb red or crimson; flesb wbite, balf tender, juicy, pleasant, mild sub-acid, with a peculiarly spicy flavor. Jan. and Feb. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8ft., **75c**; 8 to 10 ft., **$1.00.**

Yellow Transparent. One of tbe most desirable early apples in cultivation; Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and bardy, fruit pale yellow, good size and good quality; skin clea. wbite at first, becoming a beautiful pale yellow wben fully matured. Ripenr before Early Harvest. July and Aug. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

CRAB APPLES

THE Crab Apple bas many points of excellence. It makes a fine ornamental tree, perfectly bardy, and will grow in any kind of soil. It bears very early and every year. The fruit is unequalled for jelly and for vinegar, and is useful wben dried, canned or preserved.

Early Strawberry. Greenish yellow, carmine stripes, good quality. 5 to 6 ft. **50c**; 8 to 10 ft., **$1.00.**

Florence. Youngest, most prolific bearer, striped and mottled. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 8 to 10 ft., **$1.00.**

Hyslop. Large deep crimson; one of the most beautiful of crabs. October. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Siberian. Large, golden yellow; very popular. September. 5 to 6 ft., **50c.**

Sweet Orange. Delicious to eat raw. Sweet with a flavor of orange. Fine for tbe bome garden. 5 to 6 ft., **50c.**

Transcendant. Immensely productive, bright, red; one of tbe most popular. September and October. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 8 to 10 ft., **$1.00.**

Whitney. One of tbe largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c**; 8 to 10 ft., **$1.00.**

RHUBARB

VAUGHAN'S MAMMOTH RHUBARB ROOTS, 2 year, **each 15c**; per dozen, **$1.50**; per bundred **$12.00.**
Extra strong, clumps for forcing, **each 50c**; per **doz. $5.00.**
Mammoth size, each 75c; **doz. $8.00.**

Vaughan's Choice Fruit Trees—Continued

PEAR, KOONCE

Pears

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 ft., **60c**; 5 to 6 ft., **75c**; 7 to 8 ft., **$1.00.**

Clapp's Favorite. Very large, yellow and dull red; very fine. August. 4 to 5 ft., **60c**; 5 to 6 ft., **75c**; 7 to 8 ft., **$1.00.**

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., **60c**; 5 to 6 ft., **75c**; 7 to 8 ft., **$1.00.**

Early Harvest. Early. Good size. 4 to 5 ft., **60c**; 5 to 6 ft., **75c.**

Flemish Beauty. Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., **60c**; 5 to 6 ft., **75c**; 7 to 8 ft., **$1.00.**

Kieffer. Good for preserving and canning; extra large; good bearer. October. 5 to 6 ft., **75c**; 6 to 7 ft., **85c**; 7 to 8 ft., **$1.00**; 10 to 12 ft. Specimens, **$1.50 and $2.00.**

Koonce. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 5 to 6 ft., **75c**; 6 to 7 ft., **85c.**

Seckel. Small, yellowish brown, red cheek; best to eat out of hand, or pickle. 4 to 5 ft., **60c**; 5 to 6 ft., **75c.**

Quince

Meech. A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 to 5 ft., **60c.**

Orange. Large roundish fruit, with small neck; bright golden yellow. October. 3 to 4 ft., **50c.**

Cherries

Compass. (New). A cross between the Sand Cherry and Miner Plum. Very prolific, the fruit being large, bright red, sweet and juicy. On account of its hardiness, very desirable for Northern Sections, 4 to 5 ft., **75c.**

Dyehouse. Largely planted for early market, ripening a week before Early Richmond. Early, annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries, is unsupassed for cooking purposes and exceedingly productive. June. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Last of June. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

ENGLISH POT GROWN FIGS, GRAPE-VINES, NECTARINES, PEACHES AND OTHER FRUIT TREES

We import these on advance orders only, from one of the best and most reliable growers in England. Prices on application.

Plums

Abundance. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., **50c.**

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 ft., **50c.**

De Soto. Very hardy, bright red. September. 4 to 5 ft., **50c**; 6 to 7 ft., **75c.**

Shropshire Damson. Of fine quality; flesh is amber-colored, juicy and sprightly; seldom attacked by the curculio. 4 to 5 ft., **50c.**

Stoddard. One of the largest of our native plums. Color is a light pinkish red, very handsome, with a tough, sweet skin. 5 to 6 ft., **50c.**

Wolf. Very popular, large, immensely productive. August. 4 to 5 ft., **50c.**

PEACHES—These should not be planted until spring. For varieties and prices see our 1917 Spring Catalog. Ready January 1.

Vaughan's Small Fruits

Blackberries

Price, each, 10c; per doz., 75c; per 100, $3.00.
If to go by mail, add 10c per dozen, 35c per 100, for postage.

Eldorado. Vigorous and hardy. Berries large, jet black.

Snyder. Hardy, enormously productive, medium size, sweet and juicy.

Stone's Hardy. Best variety for the north; fruit rich and melting.

Currants

Price, (Except where noted) 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year, **each 30c, 3 for 85c, doz. $3.00.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year plants. The larger plants **should be expressed.**

Boskoop Giant. (Black.) This famous currant, of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. 4-year extra strong, **35c each; 3 for $1.00; $3.50 per doz.**

Cherry. The largest of all red currants; bunches short. 4-year extra strong, **each 35c; 3 for $1.00; $3.50 per doz.**

Fay's Prolific. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive. 2-year, **15c; 3 for 40c; doz., $1.50;** 3-year, **25c; 3 for 65c; doz., $2.50.**

Lee's Prolific. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. 2-year, **15c; 3 for 40c; doz., $1.50;** 3-year, **25c.**

North Star. (Red.) Bright in color; early and prolific. 2-year, **15c; 3 for 40c; doz. $1.50.**

Perfection. New. (Red.) Very large. A very productive variety with berries about as large as grapes; mild in flavor and free from sharpness. 2-year, **each 25c; 3 for 65c; doz. $3.50.**

Red Dutch. The old well known red currant. Berries medium size, dark red. 2-year, **15c; 3 for 40c; doz., $1.50;** 3-year, **25c; 3 for 65c; doz., $2.50.**

White Dutch. 2-year, **15c; doz., $1.50;** 3-year, **25c; doz., $2.50;** 4-year, extra strong, **35c each; 3 for $1.00; $3.50 per doz.**

White Grape. Very large; yellowish white and most productive of the white varieties; mild, sweet flavor. 2-year, **15c; 3 for 40c; doz., $1.50;** 3-year, **25c; 3 for 65c; doz., $2.50.**

Raspberries

Price (except where noted), each, 10c; doz., 75c; per 100, $3.00.
If to go by mail, add 10c per doz., 50c per 100 for postage.

"The Herbert Raspberry." (New.) A very strong grower, hardy and very productive. Fruit large to very large, conical, bright to rather deep red, moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. **Per doz., 75c; 100, $5.00.**

Colossal. Truly colossal fruit; dark red berries; sub-acid flavor.

Columbian. Valuable and profitable. The fruit is cone-shaped, of dark red.

Raspberries—Continued

Gregg. Large Black Cap; heavy bearer.

Loudon. It is almost ever-bearing; fine deep, red fruit: large and prolific.

Kansas. The best of all Black Caps; berries large or larger than the Gregg.

Older. Of strong growth; fruit of a shiny coal black without bloom; rich, juicy.

St. Regis. (New Ever-Bearing Raspberry.) Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. **Awarded the highest certificate of merit by the American Institute of New York. Strong, transplanted canes, per doz., 75c; per 100, $5.00.**

Gooseberries

Price, 2-year plants, **by express, each 25c; 3 for 65c; doz., $2.50;** 3-year plants, **by express, each, 35c; 3 for 85c; doz., $3.50.**

Downing. Largest of our native Gooseberries; pale green; very sweet.

Houghton. Well known, medium size, pale red, very productive.

Industry. The red fruit is of largest size, very early and sweet.

Red Jacket. It is the best Red Gooseberry in existence; has good foliage; mildew proof; yields well; smooth, bright red color and of excellent quality.

Grapes

Price (except where noted), 2-year, **by express, each 20c; 3 for 55c; doz., $2.00;** 3-year extra heavy, **by express, each 30c; 3 for 80c; doz., $3.00.**

Brighton. Dark red, bunches large; medium size, skin thin, flesh tender. Must be grown with other sorts, as it does not pollenize itself.

Campbell's Early. A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. 2-year-old vines, **by express, each, 30c; 3 for 80c; doz., $3.00;** 3-year-old, **by express, each, 40c; 3 for $1.10; doz., $4.00.**

Catawba. Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

Concord. Well known, reliable, deep purple.

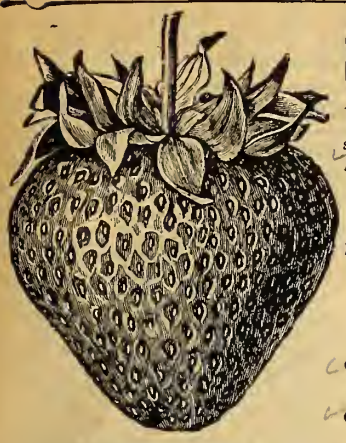
Delaware. Bunches small, compact, shouldered; fruit small, round; skin thin, light red; flesh very juicy.

Diamond. The leading early white grape. Bunch medium, variety large white with rich yellow tinge; juicy, almost free from pulp.

Niagara. Vine hardy; unusually strong grower; fruit light greenish white, slightly ambered in the sun; skin thin, tough; sweet to center.

Moore's Early. Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific.

Worden. Black, handsome, compact bunch; ripens earlier than Concord.



SENATOR DUNLAP

Strawberries POT GROWN

POT-GROWN STRAWBERRY PLANT

VARIETIES marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

AUGUST LUTHER. (Early.) This is an extra early berry of value, medium size, bright in color, the shape tapering from an extreme fullness at the calyx. Will ripen ten days earlier than the Haverland, which it resembles in fruit and foliage. It can be successfully grown for marketing purposes or for family use. and it is a good shipper.

BRANDYWINE. (Late.) A berry that has truly earned the popularity it enjoys. Large, deep red fruit, and a fancy market product, thrives on almost any soil. Ripens with the medium late class. Flesh firm and red all the way through. Productiveness above the average, ships well and is one that can be depended upon to give general satisfaction to growers. Has a delicious flavor, foliage dark green, roots deep, enabling it to endure more dry weather than most varieties.

CLYDE. (Early.) The most productive variety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor. A fine berry for home market.

GANDY. (Late.) This is one of the most reliable large late berries grown. It is one of the old standard varieties that you can depend upon. The fruit ripens very late, is large, dark red in color and produced in moderate amount.

MARSHALL. A well known variety of excellent quality. One of the richest flavored strawberries on the market.

PRIDE OF MICHIGAN. (Mid-season.) Fruit medium to large, of a dark glossy red color, firm and of good quality; a good producer.

SENATOR DUNLAP. (Mid-season.) One of the best and most popular, It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy.

SAMPLE. (*) (Late.) Good bearer, with large roundish berries of firm flesh, bright red color.

UNCLE JIM. (Mid-season.) There is no larger berry grown. It is dark crimson and showy. It is very prolific and long season.

WALDORF. (New.) The fruit is smooth, medium to large; color a bright scarlet; keeping qualities excellent. Exceedingly prolific.

WARFIELD. (Mid-season.) It has a large, beautiful, cone-shaped berry. with a fadeless dark red exterior; juicy and prolific.

WM. BELT. (Mid-season.) A most luxuriant grower and remarkably productive. Very large glossy red berries of the very best flavor.

Price of above: Per doz., 50c; 50 for $2.00; per 100, $3.50, by Express.

Fall-Bearing Strawberries

FALL-BEARING Strawberries seem to be no longer an experiment, they are becoming essential all over the country, and are making good every place they have been tested. If these varieties are disbudded, until say August 15th to September 1st, and allowed to fruit, they will give large quantities of ripe berries until checked by hard freezing. The two varieties we offer we consider the best.

AMERICUS. This is the most wonderful everbearing Strawberry ever produced. It outrivals its parents both in large size and wonderful productiveness. Plants are strong, healthy and deep rooters. The fruit is medium to large in size, very firm, uniform shape, bright red, and has the native strawberry flavor.

PROGRESSIVE. This is the strongest growing plant of all the fall-bearing varieties we have seen. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits, of a dark red color both inside and out. The young plants are produced in good quantities.

Price per doz., $1.00; 25 for $1.75; 50 for $3.25; 100 for $6.00.

AMPELOPSIS ENGELMANNI

Hardy Climbing Vines

Especially Suited for Fall Planting

CLIMBING vines are as necessary to the comfort and beauty of a home, as the trees and shrubs planted around it. They are cheerful and cooling in climbing over bowers and summer houses, and wild and natural running over trees and stumps. They ramble over unsightly neglected places, and make them beautiful with fragrant brilliant flowers. The ones offered here are all perfectly hardy, and suitable for planting in the fall; require little attention afterwards, beyond training in the manner desired.

Akebia

A BEAUTIFUL, hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 years old, **35c each.**

Ampelopsis—Woodbines and Ivies

HARDY ornamental vines, climbing by tendrils. They are well adapted for arbors and trellises, and thrive in almost any moist, fertile soil.

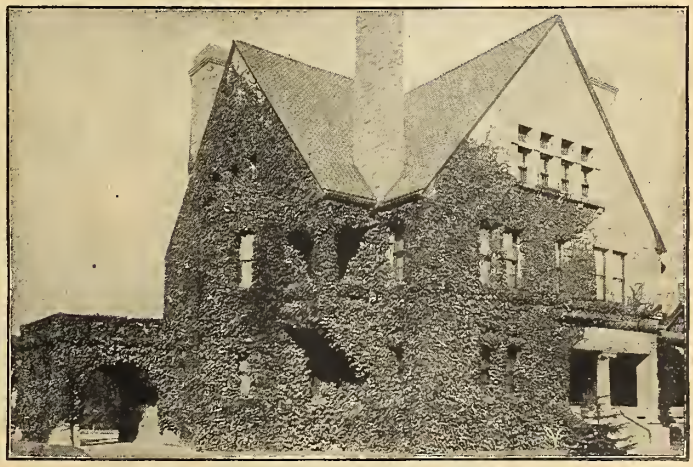
Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 2 year old, **each 35c; 3 year old, each, 50c; 4 year old, each, 60c, by express.**

Elegantissima. A new small leaved climber of merit. Strong grower of clean habit with leaves turning a fine color in autumn. Strong 2 year old plants, **each 35c;** 3 year old **50c, express.**

Engelmanni. (Engleman's Ivy). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, **25c;** 3 year, **35c;** 4 year **40c each** (Exp.)

Lowii. A beautiful new Ampelopsis with small palmate leaves, and of a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4 inch pots, **each 50c postpaid.**

Quinquefolia. (Virginia Creeper or Woodbine). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 years, **each 20c; doz., $2.00.** Extra strong, 3 year, **each 25c; doz., $2.50;** 4 year, **30c; doz., $3.00, by express.**



AMPELOPSIS VEITCHII (Boston Ivy)

Climbing Vines—Continued

CLEMATIS PANICULATA

Ampelopsis Veitchii

(Boston Ivy)

THE grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

PRICES

By Mail, Postpaid

1 yr., ea., **20c;**	3 for **$0 50;**	doz., **$1 50**
2 yr., ea., **25c;**	3 for **65;**	doz., **2 50**
3 yr., ea., **40c;**	3 for **1 10;**	doz., **4 00**

By Express, Not Prepaid

1 yr., ea., **15c;**	3 for **$0 40;**	doz., **$1 25**
2 yr., ea., **20c;**	3 for **50;**	doz., **2 00**
3 yr., ea., **35c;**	3 for **1 00;**	doz., **3 75**

3-year, extra selected, **each, 40c; 3 for $1.10; by express;** 4-in., pot grown, **each, 50c; doz., $5.00; by express.**

Bignonia

Radicans. (Trumpet Vine.) Dark red, orange throat, free blooming. Very hardy and rapid grower. Used for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2-yr., **25c;** 3-yr., **35c; by express.**

Celastrus

Articulatus. (Japanese Bitter Sweet.) Vigorous climber with almost round, bright green leaves, and orange-yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens, and is one of the best vines to be had for a porch. 2 years, **each, 25c; doz., $2.50;** 3-year, **each, 35; doz., $3.50;** 4-year, **50c; doz., $5.00; (by exp.).**

Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in may and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 years (strong), **25c; per doz., $2.50;** 3-year (strong), **35c; per doz., $3.50;** 4-year (extra strong), **50c; per doz., $5.00; (by exp.).**

Clematis Paniculata Japanese Clematis

THE finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc., the flowers are pure white, deliciously fragrant, and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and the most popular of all the small flowered vines. 2-year, **each, 30c; per dozen, $3.00; (by express);** 3-year, **each, 50c; per dozen, $5.00; (by exp.)**

The large-flowered Clematises, and hybrids of C. Coccinea (including many new charming colors), are best planted in Spring, and will be offered in our 1917 Spring Catalog.

BIGNONIA RADICANS (Trumpet Vine)

Euonymus Radicans

AN evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2-year, **each, 35c; per doz., $3.50; (by express).**

Euonymus Vegetus Evergreen Bittersweet

A valuable **Evergreen** vine, for walls or ground cover. It has large leaves and is perfectly hardy except in very exposed Northern situations, where it will need a little winter protection. This is the **hardiest Evergreen Vine** we have in Northern States. 2-year, **each, 35c; per doz., $3.50.**

Humulus - Hop Vine

Lupulus. (Common Hop.) A useful climber for covering unsightly places, as it is a rapid grower and bears a profusion of seed pods suitable for many domestic purposes. 2-year, **25c; per doz., $2.50.**

Special Purpose Climbers

Climbers for Shady Places, Aristolochia Sipho, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.
Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.
Climber for North Aspect, Clematis, all large flowering types, such as C. Jackmanii, Henryi, etc., Ampelopsis Veitchii (Boston Ivy).
Climbers for Eastern Aspect, Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine.
N. B.—Some of these should not be planted in the Fall and have been omitted from this Catalog on that account. See 1917 Spring Catalog.

Lonicera - The Climbing Honeysuckle

HARDY vines with showy and usually very sweet scented flowers. They thrive in almost any kind of soil and are very valuable for covering walls and trellis work, and as a ground cover, where they should be allowed to ramble without support of any kind.

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles; produces continuously large trusses of red and yellow fragrant flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage most all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost an evergreen sort, flowers pure white, changing to yellow. July to November.

PRICE: Strong 2-year-old vines, **each, 35c; 3 for $1.00; doz., $3.50; by express.** Heavy 3-year-old vines, **each 50c; 3 for $1.35; doz., $5.00; by express.**

Matrimony Vine - Lycium

WELL known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-year-old plants, **each, 25c; dozen, $2.50;** 3-year-old plants, **each, 35c; dozen, $3.50;** 4-year-old plants, **each, 50c; dozen, $5.00; (by express).**

Periploca - Silk Vine

Graeca. A rapid-growing beautiful climber; will twine around a tree or other support to the height of 30 or 40 feet. Foliage glossy and purple-brown auxillary clusters of flowers. 2-year-old plants, **each, 35c.**

Vitis - Grape

Cognetiae. (Crimson Glory Vine.) A very strong growing vine, covering trees and arbors with a thatch of heavy, showy foliage which becomes brilliant scarlet in autumn. 2-year-old plant, **ea., 35c.**

Riparia. (Wild Grape.) We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. **Each, 30c; 3 for 85c; dozen, $3.00; (by express).**

Wistaria

STRONG growing vines that wrap themselves tightly about any support and are valued most for covering bowers, porches, pergolas and training over tree trunks. In May they bear abundant drooping clusters of flowers, similar in shape to those of a Sweet Pea, and occasionally a lighter crop follows in August.

Magnifica. Flowers in dense, drooping racemes of a pale lilac color; vigorous and perfectly hardy. 2-year-old plant, **each, 35c;** 3-year-old plant, **each, 50c;** 4-year-old plant (extra strong), **each, 75c; (by express).**

WISTARIA

Vaughan's Selection of Shrubs for Hedges

BUSH Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

Vegetable Seeds For FALL PLANTING and GREENHOUSE USE

ROOTS—Asparagus, Endive, Seakale

Plant in fall or spring.

Bonvallet's Giant, an especially valuable sort, grows quicker, is hardier and produces larger shoots than the standard varieties.

ROOT OF BONVALLET'S GIANT ASPARAGUS, 4 YRS. FROM PLANTING.

Prices	Doz.	100	1000
1-yr.-old Roots			
Conover's Colossal	$0.10	$0.50	$4.00
Palmetto	.10	.50	4.00
Columbian Mammoth White	.10	.50	4.00
2-yr.-old Roots			
Bonvallet's Giant	.35	1.75	12.00
Conover's Colossal	.15	.75	5.00
Palmetto	.15	.75	5.00
Columbian Mammoth White	.15	.75	5.00
Argenteuil	.25	.95	8.00

3-yr.-old Roots, transplanted for forcing.

	Doz.	100	1000
Bonvallet's Giant	$0.50	$2.75	....
Conover's Colossal	.30	1.50	....
Palmetto	.30	1.50	....

If by Parcel Post, weights of 100 roots are:

1 year (packed) .....2-3 lbs.
2 year (packed) .....5-6 lbs.
3 year (packed) .....8-10 lbs.
3 year (transplanted) .....15-17 lbs.

French Endive Roots Witloof Chicory

The roots are planted in earth in the cellar and hilled up for bleaching like celery or white asparagus. A delicious winter salad. Price, doz., 40c; 25 for 75c; 100, $2.75; 500 for $12.00 (By express). (Full directions with each order.)

Sea Kale Roots

A delicious vegetable combining the flavor of celery and asparagus, bleaches and forces easily, in an ordinary cellar. Price, doz., 65c; 25 for $1.10; 100, $4.00; by express.

Rhubarb Roots

Extra strong clumps for forcing. Each, 50c; doz., $5.00; mammoth size, each 75c; doz., $8.00. (Express.)

Beans

Triumph of The Frames. For forcing or growing under glass. Very small slim pods making the famous French (Haricot) style of bean. Pkt., 15c; ½ pt. (8 oz.), 20c; pt. (lb.), 40c; qt. (2 lbs.), 75c.

Cabbage

Copenhagen Market. A new Danish, early, hard-heading, uniform ripening variety. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25; 1 lb., $4.00.

Early Jersey Wakefield. Vaughan's selected stock. ½ oz., 20c; oz., 30c; ¼ lb., 80c; 1 lb., $3.00.

Large Jersey or Charleston Wakefield. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.60.

All Head or Faultless. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $3.00.

Cauliflower

Vaughan's Earliest of All. A forcing strain and sure header and the earliest cauliflower. Pkt., 25c.

Vaughan's New Snowball. The best for early and late summer and fall crops. A wonderful strain of the popular Snowball variety. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; 1 lb., $32.00.

Cucumber

ENGLISH FRAME VARIETIES

Rollison's Telegraph. Greenhouse, English grown. Pkt., 50c.

Noah's Forcing. Pkt., 25c.

Prescot's Wonder. Carter's Model. Pkt., 25c.

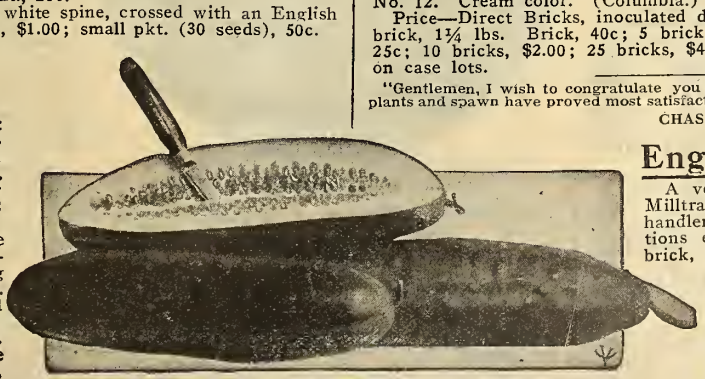
Grand Rapids Forcing. An extra long white spine, crossed with an English sort. Very prolific. Pkt. (65 seeds), $1.00; small pkt. (30 seeds), 50c.

Greenhouse and Frame Cucumbers

Davis' Perfect. (Vaughan's Select Stock.) Selected for length and tapering ends. Extra fine color. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25. Stock seed especially selected for greenhouse forcing. Pkt., 15c; 2 pkts., 25c; ½ oz., 60c; oz., $1.00.

Extra Long White Spine. One of the favorites of greenhouse growers raising for market. Twelve inches long and fine green color. Selected stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00.

Vaughan's Arlington White Spine. The best for Southern truckers. Size and color just right. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25.



TYPE OF DAVIS PERFECT CUCUMBER.

Lettuce

GRAND RAPIDS FORCING **Vaughan's Selected Stock For Greenhouse Use**

This grand forcing variety is the hardiest of all sorts for greenhouse use and is planted now to the exclusion of almost all other sorts for this purpose. Our strain cannot be surpassed in quality.

Vaughan's Extra Selected Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., $1.25; 5 lbs., $5.50.

Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c; 5 lbs., $3.25.

Black-Seeded Simpson. Forms large, loose leaves of ideal color. A good variety for use under glass and best for early outdoor planting. Vaughan's select stock. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., $1.25.

May King. An excellent head lettuce. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., $1.25.

VAUGHAN'S BIG BOSTON **Re-Selected Stock—Most Popular Strain for Southern Planting**

This is the early lettuce so much planted in the south. Vaughan's Big Boston is standard throughout Florida where we sell many hundreds of pounds of this strain each year. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., $1.25.

Forcing Melons—For Greenhouse

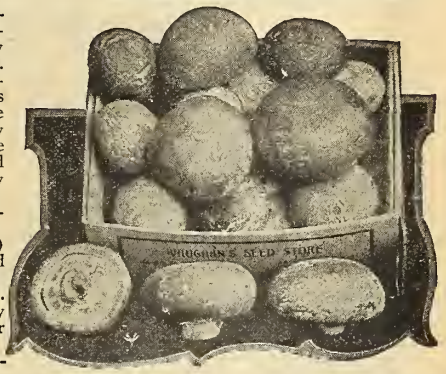
Emerald Gem Forcing. American strain. Salmon flesh, early uniform.
A, 1. Superb. Scarlet flesh.
Best of All. Green flesh.
Blenheim Orange. Scarlet flesh.
Diamond Jubilee. Green flesh.
Invincible Scarlet. Scarlet flesh.
Royal Sovereign. White flesh.
Turner's Hybrid. (Best American Sort.)

Prices of above, except where noted, each, Pkt., 25c.

Mushrooms

Thousands of people are successfully raising delicious Mushrooms in their basements, cellars and outbuildings. Write for free leaflet on culture. This vegetable is produced by planting Spawn. Our Spawn is always fresh; monthly shipments are received from our manufacturers.

Lambert's Pure Culture Mushroom Spawn



This is the spawn produced according to the valuable discoveries made by American investigators. Through the method of inoculating bricks by means of test-tube culture, the larger yielding varieties only are produced and to some degree of certainty the kind of crop to be produced may be pre-determined.

The following strains produce fairly true to type:

No. 7. Brown. (Bohemia.) Very hardy and a good producer.
No. 8. Cream Columbia. Mammoth Strain. Hardy and prolific; extra fine for summer planting.
No. 9. White Alaska. Mammoth Strain. A most popular sort with growers for the market.
No. 5. Brown. Grows in clusters, is very prolific.
No. 10. Light Brown. A good grower, fine flavor.
No. 11. Cream. Similar to No. 8, but slightly darker.
No. 12. Cream color. (Columbia.)

Price—Direct Bricks, inoculated direct from Pure Cultures. Weight per brick, 1¼ lbs. Brick, 40c; 5 bricks, $1.75, postpaid. Not prepaid, brick, 25c; 10 bricks, $2.00; 25 bricks, $4.25; 100 bricks, $15.00. Special prices on case lots.

"Gentlemen, I wish to congratulate you on the class of goods you handle. Both seeds, plants and spawn have proved most satisfactory".

CHAS. G. SMITH, Colonial Heights, Tuckahoe, N. Y.

English Mushroom Spawn

A very superior strain to the old English Milltrack Spawn. We are one of the largest handlers in the United States; fresh importations every few weeks. Price (weight per brick, 1¼ lb.), brick, 15c; 2 bricks, 25c; 8 bricks, $1.00; 25 lbs., $2.25; 100 lbs., $7.50; if shipped from New York, $7.00. Special prices on half ton lots and up.

SEEDS PER PARCEL POST:—Prices per pkt., or oz., and ¼ lb., include postage—larger quantities at rates on inside front cover.

SEEDS for FALL and WINTER

"PEDIGREED" FORCING VARIETIES

Onion Seed

Bermuda Onion Seed—Teneriffe Grown

(For Southern Planting.) The crop on the White or Yellow Bermuda is very short this year. There is a fair supply of the Crystal White Wax. The seed may arrive late and we offer subject to arrival, for this year's planting, as follows:—

White Bermuda. Pkt. 10c; oz. 30c; ¼ lb. 75c; 1 lb. $2.50.
Crystal White Wax. Pkt. 10c; oz. 30c; ¼ lb. 75c; 1 lb. $2.50.
Write or wire for latest quantity price.

White Welsh Onion. For green onions. Hardy with slight protection. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

Winter Onion Sets

These are used for producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stalk. Very productive, perennial and perfectly hardy. Planted in the fall to depth of 3 to 4 inches. **Pt., (½ lb.) 10c; qt., (1 lb.) 20c; 2 qts., (2 lbs.) 30c; pk., (7 lbs.) 50c; ½ bu., (14 lbs.) 80c; bu., (28 lbs.) $1.40.**

Tomatoes

For Under Glass. Best Re-selected Stocks.

Lister's Prolific (New.) Latest popular English sort. **Pkt., 25c. Comet** (Scarlet). **Sterling Castle** (Scarlet), **Sunrise** (Scarlet), **Hubert's Marvel** (round like an apple), **Frogmore Selected** (Scarlet), **Pkt., 15c each. Best of All** and **Lorillard** (Two old standards). **Pkt., 5c. New Globe, Chalk's Early Jewel** and **Bonny Best,** American forcing varieties. **Pkt., 10c.**

Radish

Vaughan's Cardinal Forcing. New. Best forcing radish today. Few days earlier than Scarlet Globe, runs more even in shape, a richer dark red; small tops; flesh firm and crisp; very few cracked bulbs. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00.**

Improved Early Scarlet Globe. Vaughan's Selected Stock. The standard red radish for hot bed and forcing use. An unequalled strain of this most popular sort. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 90c.**

Giant Butter Radish. An improvement on the Crimson Giant. The largest of the early forcing radishes. **Pkt., 10c; oz., 20c; ¼ lb., 40c; 1 lb., $1.25.**

Crimson Giant. A standard, very large and early forcing radish, a fine strain. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.**

Vaughan's Early Carmine Turnip. The earliest, all scarlet, turnip-shaped radish. Earlier than Scarlet Globe. **Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c.**

CARDINAL FORCING

Spinach

Extra Large Round Leaf, Monstrous Leaved Viroflay, and Vaughan's Norfolk Savoy. Oz., 5c; ¼ lb., 15c; 1 lb., 35c; 5 lbs., $1.60.

Giant Fillbasket. (New.) The largest and best spinach yet introduced. **Pkt., 5c; oz., 10c; ¼ lb., 15c; 1 lb., 50c.**

Grass Seeds—Wheat and Rye

Our seed wheat is carefully cleaned and is grown for us on contract by careful wheat breeders.

The Famous Klondike Wheat

A bald, or smooth wheat, redchaffed, with fine amber grain. Grows very rank, with good stiff straw, having strength to hold up the heavy heads. Has displaced Golden Chaff in localities where the two varieties were grown. Prices by freight or express. **Pk., 60c; bu., $2.00; 10 bu., $19.00; grain bags 20c extra.** If to be shipped from New York, add 20c per bu. to these prices.

Turkey Red Wheat

Well bearded. Selected stock. The bearded are by far the hardiest of the winter wheats. The heads of the Turkey Red are a good size and the plants stool out well. Carefully recleaned. Prices by freight or express, at purchaser's expense: **Pk., 60c; bu., $2.00; 10 bu., $19.00;** grain bags **20c each extra.** If to be shipped from New York, add 20c per bushel to these prices.

Alfalfa, (V) Brand

A short crop in sight. We have a limited amount of fancy non-irrigated seed carried especially for the fall trade. Prices Sept. 1st, subject to change. (Write for samples.)

	Per Bu.	100 Lbs.
Dakota Grown	$12.50	$22.00
Western	12.25	21.00
Everlasting Grimm (Dakota grown). (Per lb., 75c, postpaid; 5 lbs., $2.50, exp.)	24.00	35.00
Liscomb (Variegated flower). Extra hardy with lateral roots	21.00	33.50

Original stock, lb., 75c, postpaid; 5 lbs., $2.35 (exp.).
2 bu. grain bags each 22c extra.

Clover, (V) Brand

Present war conditions make market subject to large fluctuations. Sept. 1st prices below:

	Per Bu.	100 Lbs.
Medium Red, Fancy	$10.50	$16.75
Medium Red, Choice	10.00	16.25
Mammoth Red, Fancy	11.00	17.95
Mammoth Red, Choice	10.50	16.75
Alsike, Fancy	11.50	18.50
Crimson Clover, Choice	8.50	13.00

Two bushel grain bags, 22c each extra. Write for samples.

Timothy, (V) Brand

Market strong, subject to fluctuations. Highest germination and purity. Write for samples. **10 lbs., $1.25; bu. (45 lbs.), $4.50; 100 lbs., $9.50.**
Two bushel grain bags, 22 cents each extra.

Wild Rice

A desirable food for wild ducks. Sown in fresh water, lakes, swamps and river bogs. Write for booklet. Seed must not be allowed to dry out. **1 lb., 40c; 5 lbs., $1.65; 10 lbs., $2.00.**

Winter Rye

Our seed is a nice clean strain of the heavy yielding variety. Prices by freight or express. **Pk., 50c; bu., $1.60; 10 bu., $15.00. Grain bags 20c each extra.** If shipped from New York add 20c per bu. to these prices.

Winter Vetch, Also Called Hairy or Sand Vetch

Sow early in fall. Especially fine for orchard covering. It succeeds well in all soils and withstands extremes of heat and cold. Remains green and furnishes pasturage all winter. Write for our booklet. Sow ½ bu. (30 lbs.), per acre. Price by freight or express: **Bu., $12.25; 100 lbs., $20.00**

Bokhara or Sweet Clover

White Flowered. **1 lb., 35c; 10 lbs., $3.00.**

VAUGHAN'S "CHICAGO PARKS"

How to Make a Lawn—Free leaflet for the asking. Sow "Chicago Parks" Mixture—1 pound to 350 square feet on new lawn. One-half that for renovating an old one.

VAUGHAN'S QUICK SOD. A new mixture put up for fall sowing and first planting on new soil. Quick growing, hardy grass; produces good sod that will winter without killing out. **Price, per ½ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.65; 15 lbs., $3.95; 20 lbs., $5.25; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.**

Vaughan's "Chicago Parks" Lawn Seed

VAUGHAN'S "CHICAGO PARKS" LAWN MIXTURE produces beautiful and permanent turf. They are as free from weeds and chaff as human skill and scientific machinery can make them. We invite microscopic examination, comparison or analysis. **Price per ½ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.65; 15 lbs., $3.95; 20 lbs., $5.25; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.**

VAUGHAN'S "COLUMBIAN LAWN" GRASS SEED. Vaughan's Columbian Lawn Grass Seed is a selection of the finest grasses which naturally thrive under shade of trees or buildings, or suitable for light sandy soils. This mixture produced lawns of beauty at the Columbian World's Fair, where it was used extensively and gave splendid results. Sow at least 100 lbs. per acre for new lawn, 50 lbs. per acre for thin grass. **Price per ½ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.65; 15 lbs., $3.95; 20 lbs., $5.25; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.**

KENTUCKY BLUE GRASS we offer in two grades. Extra Fancy Seed, sun-dried, twice recleaned. Very high germination. **1 lb., 25c; 5 lbs., $1.00; 10 lbs., $1.85; 100 lbs., $16.00.**
Fancy Seed. Actual weight 21 lbs. per bu. **1 lb., 20c; 5 lbs., 85c; 10 lbs., $1.60; 100 lbs., $13.50.**

RED TOP GRASS. Fancy. Crop very short. Solid seed, bushel 32 lbs. **1 lb., 25c; 10 lbs., $2.25; 100 lbs., $18.00.**
Common. Unhulled. Bushel 14 lbs. **1 lb., 15c; 10 lbs., $1.25; 100 lbs., $10.00.**

WHITE CLOVER. Extra fancy seed. **1 lb., 75c; 3 lbs., $2.10; 10 lbs., $7.00.**

Parcel Post Rates are given on inside of front cover and on order sheet.

Prairie State Incubators

THE improved Prairie State Incubators are not only the most successful hatchers, but are honestly made—dependable, durable machines through and through. They are made to adjust themselves automatically to existing conditions, and consequently they overcome the possibilities of neglect or ignorance of the operator. This means a great deal, as even the expert operator is liable to forget his machine.

Their construction is such as to make them of highest utility in any ordinary room in summer or in winter, without artificial heat in the coldest weather.

The Prairie State Incubator case is insulated heavy and permanent. The heater is powerful and efficient, ventilation is free, and humidity is automatically supplied under every possible external condition. The regulator is sensitive and automatic.

The widest practice has conclusively demonstrated the entire Prairie State make-up to be such as to insure a latitude greater than that of any other incubator on the market to-day.

PRAIRIE STATE No. 1.

STANDARD SERIES

No. 0, 100 eggs; 135 lbs. crated; price.....**$18.00**
No. 1, 150 eggs; 150 lbs. crated; price..... **22.50**
No. 2, 240 hen eggs; 225 lbs. crated; price... **32.00**
No. 3, 390 hen eggs; 325 lbs. crated; price... **38.00**

KEYSTONE SERIES

No. 0 Keystone, 60 hen eggs; 60 lbs crated; price;.....**$ 9.00**
No. 1 Keystone, 100 hen eggs; 80 lbs. crated; price;..... **12.00**

UNIVERSAL HOVER

Complete Hover for outdoor use with Lamp Case; 50 lbs. crated.....**$ 7.00**
Complete Hover for indoor use, no Lamp Case; 30 lbs. boxed..... **6.00**

PRAIRIE STATE PORTABLE HOVER

No. 1, capacity 65-100 chicks; 50 lbs crated; price.....**$ 8.50**

COMBINATION COLONY HOUSE BROODERS

No. 1 (outdoor) weight, crated, 300 lbs.....**$20.00**
No. 2 (outdoor) weight, crated, 208 lbs..... **16.00**
No. 3 (outdoor) weight, crated, 150 lbs..... **12.00**
Heat regulator attached to any of the above brooders $1.00 extra.

PRAIRIE STATE STOVE BROODERS

Capacity 250 to 1000 or more chicks.....**$30.00**

Poultry Remedies

VAUGHAN'S GOOD HEALTH FOR POULTRY

A POSITIVE cure and preventive for colds, sore mouth and canker, sore eyes, sore breast, back or shoulders, cracked heels, trush, wounds, cuts, sores, saddle galls and roup.

Large Bottle.....**$0.50**
Small Bottle..... **.25**

VAUGHAN'S MAGIC LIQUID ROUP AND CHOLERA CURE

EVERY poultry raiser should have a can of it; don't wait until the roup makes its appearance: It will be found a good preventive if a small quantity is put in drinking water.

1 pint can.....**$0.50**

CONKEY'S LICE LIQUID

THERE are a great many poultrymen who do not seem to understand that the Mite requires entirely different treatment than the ordinary louse. There is no powder made that will entirely rid you of the mite, and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. In our opinion, the Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer.

Price, 1 qt. can, 35c; ½ gal., 60c; 1 gal., $1.00.

Conkey's Noxicide. Disinfectant, deodorant and germ destroyer. Price, 1 pt., **35c**; 1 qt., **60c**; 2 qts., **90c**; 1 gal., **$1.50.**

Sanford's Liquid Lice Killer. Successfully exterminates lice. Price, 1 qt., **35c**; ½ gal., **60c**; 1 gal., **$1.00.**

Conkey's Head Lice Ointment. Price, 1 oz., **10c**; 3 oz., **25c.**

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., **25c**; 48 oz., **50c**; 100 oz., **$1.00.**

Sanford's Lice Powder. Price, 15 oz., **25c**; 48 oz., **50c**; 100 oz., **$1.00.**

Conkey's White Diarrhoea Remedy. Price, large box, **50c**; small box, **25c.**

Conkey's Roup Cure. Price, pkg., **25c, 50c** and **$1.00**, postpaid.

Vaughan's Roup Cure. Positive cure. Price, small size, **50c**; large size, **$1.00.**

Conkey's Poultry Conditioner. A general invigorator. Price, **25c.**

Conkey's Gape Cure. Price, per can, **50c.**

Conkey's Scaley Legs. Price, per can, **50c.**

Poultry Worm Remedy. Price, per can, **50c.**

VAUGHAN'S GROUND BEEF SCRAPS

THIS is the finest thing we know of to cause hens to lay during the winter. Feed 3 times a week at the rate of 1 oz. to each fowl, mixed with the daily mash.

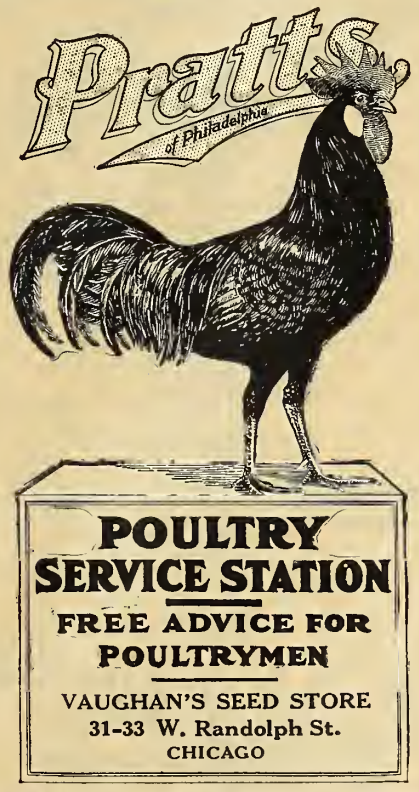
As high prices for eggs prevail at this season of the year, it makes very profitable feeding.

100 lbs.....**$3.50** **25 lbs**.....**$1.15**
50 lbs..... **1.90** **5 lbs**..... **.25**

VAUGHAN'S MEAT AND BONE

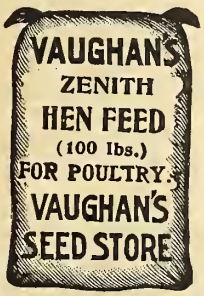
THIS is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, for the purpose of furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs.....**$3.00** **25 lbs**.....**$1.15**
50 lbs.....**$1.80** **5 lbs**..... **.25**



Write for Complete Poultry Catalogue

VAUGHAN'S ZENITH HEN FEED



CONTAINS no grit or shell. Every ounce is pure, sound grain. We choose all the grain very carefully and after mixing it an electric apparatus removes the dust. The mixture is scientifically prepared to make it the cleanest feed and best balanced ration. It is ideal for maturing chicks and laying hens.

100 lbs.....**$2.35**
50 lbs..... **1.25**
25 lbs..... **.75**
10 lbs..... **.35**
5 lbs..... **.20**

Leader Adjustable Leg Bands. Prices, doz., **15c**; 25, **25c**; 50, **40c**; 100, **75c**; postpaid.

Improved Champion Leg Bands. Price, doz., **15c.**

Wire Hen Nests. Each, **15c**; ½ doz., **75c**; doz., **$1.50.**

Porcelain Nest Eggs, each **3c**; 2 for **5c**; doz., **25c.**

Vaughan's Pigeon and Poultry Fountain—Price, ½ gal. size, **50c**; 1 gal. size, **75c.**

Peerless Drinking Fountain. Price, **60c**; with heater, **$1.50.** Heater alone, **$1.00.**

Moe's Top Fill Drinking Fountain. 1 gal,. **$1.00**; 2 gal., **$1.50**; 4 gal., **$2.00.**

Vaughan's Earthenware Fountain. Prices, 1 qt., each, **20c**; doz., **$2.25**; 2 qt., each, **30c**; doz., **$3.35**; 4 qt., each, **40c**; doz., **$4.50.**

Vaughan's Grit and Shell Box. Three compartments; very economical. Price, **50c**; doz., **$5.50.**

Reliable Egg Carrier. Compact and durable, A No. 1 Filler, each, **50c**; per doz., **$4.25.**

Square Style Egg Carrier. Per doz., **15c**; 25 for **25c**; 50 for **50c**; 100 for **75c**; 1000 for **$7.00.**

All Wood Shipping Coops. Best on market.

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	$0.30	$3.25
2	18	18	18	.35	3.65
3	12	21	21	.35	3.75
4	18	21	21	.40	4.50
5	30	21	21	.50	5.50
6	30	21	21	.55	6.00

PIGEON SUPPLIES

Jersey Perch. Best on the market. Each, **6c**; doz., **65c.**

Vaughan's Pigeon Food. Put up as follows:
5-lb. cartons.....**$0.25** 50-lb. sacks.....**$1.50**
25-lb. sacks..... **1.00** 100-lb. sacks..... **2.50**

Foust's Health Grit. An all-round condition powder. 5 lbs., **25c**; 25 lbs., **75c**; 50 lbs., **$1.15**; 100 lbs., **$2.10.**

For Incubators, Farm Stock Remedies, Poultry Houses, etc., see our spring catalogue, free on application.

Breeding Stock. Prices furnished on application.

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VAUGHAN'S GARDEN TOOLS AND REQUISITES

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

BULB PLANTER (see page 2).

BULB DIBBER (see page 2).

FUMIGATORS, Eureka, galvanized. Used for burning tobacco stems in order to fumigate greenhouses. No. 1, capacity ½pk., $1.50; No. 2, capacity 1 pk., $2.00; No. 3, capacity ½ hu., $2.75; No. 4, capacity ¾ bu., $3.50.

FERTILIZERS

BONE MEAL, Vaughan's "Rose Grower" Brand. Has been slightly steamed so that it can be ground fine, and is thus quicker in its action. **5 lbs., 25c; 10 lbs., 50c; 25 lbs., 80c; 50 lbs., $1.35; 100 lbs., $2.35.** (In New York, 50c higher per 100 lbs.)

BONE MEAL, "Regular Grade." 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 65c; 50 lbs., $1.20; 100 lbs., $2.15. (In New York 50c higher per 100 lbs.)

BOWKER'S PLANT FOOD. A first class plant food. **Small sized pkg., 15c; large sized pkg., 25c;** mailing weight, small, 7 oz.; large, 15 oz.

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. **Price: 100 lbs., $1.80; 500 lbs., $7.00; 1,000 lbs., $12.50; 2,000 lbs., $21.00.** (Prepaid to nearest railroad station if within twenty miles of Chicago.) In New York, 50c higher per 100 lbs

CLAY'S FERTILIZER. Valuable imported manure, recommended to all who grow either fruit, flowers or vegetables and wish to bring them to the highest perfection. Should also be used for potting and top dressing. **Lb., 15c; 7 lbs., 75c; 14 lbs., $1.25; 28 lbs., $2.50; 56 lbs., $4.00.**

SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. **5 lbs., 25c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., $1.10; 100 lbs., $1.90; 500 lbs., $8.00; 1000 lbs., $13.00; ton, $24.00.** (25 lbs. and up prepaid to nearest railroad station if within twenty miles of Chicago.) F. O. B. New York, **100 lbs., $2.00; 500 lbs., $8.50.**

VAUGHAN'S CONCENTRATED PLANT FOOD This is the most useful fertilizer for all kinds of plants raised in pots. **Small pkg., 15c each; Large pkg., 25c each;** mailing weight, small, 10 oz.; large 17 oz. Each package contains full directions.

FIBER, for growing bulbs in., (see page 11).

"Illinois" Self-Watering FLOWER BOXES AND BASKETS Splendid for growing bulbs

Box has reservoir in bottom, which when filled with water will supply plants with moisture for ten days. Water being conveyed direct to the roots of plants leaves soil in a loose condition, ideal for plant growth. Sold in following Shapes and Sizes.

WINDOW BOXES

8-in. deep, 9½-in. wide., except **No. 0,** 6-in. x 6-in.

No.	Length	Price	No.	Length	Price
0	16 in.	$1.00	6	33 in.	$2.35
1	23 in.	1.60	7	35 in.	2.50
2	25 in.	1.75	8	37 in.	2 65
3	27 in.	1.90	9	39i n.	2.80
4	29 in.	2.05	10	41 in.	3.00
5	31 in.	2.20			

PORCH BOXES

9-in. deep, 12-in. wide.			8-in. deep, 12-in. wide.		
No.	Length	Price	No.	Length	Price
21	37 in.	$3.00	24	49 in.	$4.00
22	41 in.	3.40	25	53 in.	4.25
23	45 in.	3.75			

Illinois Junior. Slightly lighter steel, otherwise same as above.

8 in. wide, 7 in. deep. } 24 in. long..... $1.25; 30 in. long..... 1.50; 36 in. long..... 1.75

HANGING BASKETS

No.	Depth	Square	Price	No.	Depth	Square	Price
8	6 in.	8 in.	$1.00	12	8 in.	12 in.	$1.50
10	7 in.	10 in.	1.25	14	9 in.	14 in.	1.75

GLASS CUTTER and Glazing Tool. Each, 10c

GLASS CUTTER, DIAMOND. Each, $5.00.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. **No. 2,** small, single thick glass; **No. 1,** large, single thick glass; **No. 2½,** double thick, for greenhouse and skylights. **Price, per box of 1,000, 70c.** Weights—box **No. 2, 1** lb.; **No. 2½, 1½** lbs.

Siebert's Improved, price per lb., 60c.

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. **Each, $1.60; 3 for $4.50; doz., $17.50.** Glazed, **each, $3.50; 3 for $10.40; doz., $41.00.** For 8-inch glass, 4 rows **each, $1.75; 3 for $5.00; doz., $18.50.** Glazed, **each, $3.60; 3 for $ 10.70; doz., $41.80.**

HOTBED MATS.

Waterproof Duck. Made of waste wool with waterproof duck on both sides to shed rain. Size C, 40x76 inches, **each, $1.65; doz., $17.50.** Size D, 76x76 inches, **each, $2.50; doz., $26.50.**

Straw Mats. Rye straw, 3x6 feet, **each, $1.25; doz., $14.00.** Same mat, 6x6 feet, **each, $2.25; doz., $25.00.**

INSECTICIDES AND FUNGICIDES

By mail, **½ pt.1 lb.; pt. 2** lbs.; **qrt., 3** lbs.

APHINE. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. **Per pint, 65c; per quart, $1.00; gallon, $2.50.**

FIR TREE OIL SOAP. For thrip, red spider, black and green fly, mealy bug, worms, **½ lb. tin, 25c; 2 lbs., 75c.**

FISH OIL SOAP. (Commonly known as Whale Oil Soap). An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. **Per lb., 20c; 2 lbs., 35c; 5 lbs., 75c.**

FLOWERS OF SULPHUR. For mildew on roses. **Lb., 12c; 10 lbs., 85c; 25 lbs., $1.75.**

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. **½ pint, 25c; pint, 40c; quart, 75c; ½ gal., $1.25; gal., $2.00.**

LIME-SULPHUR. The best remedy for San Jose scale. One gallen makes ten; one of the best Autumn sprays. **Qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.00.**

NICO-FUME. Strips of paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet by 20 feet wide. **Price, 24 sheets, 85c; 144 sheets, $4.00; 288 sheets, $7.50, postpaid.**

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent Nicotine. **¼ lb., 50c; 1 lb., $1.50; 4 lbs., $5.50; 8 lbs., $10.50.**

NICOTICIDE. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. **4 oz., 70c; ½ pt., $1.25; pint, $2.50; quart, $4.50; ½ gal., $8.25; gal., $15.00.**

NIKOTEEN. Use same as Nicoticide. **2 oz., 40c; ½ pint, 85c; pint, $1.50.**

SULPHO TOBACCO SOAP. For greenfly on roses. **8 oz. box, 20c; by mail, 25c; 3 ozs., 10c; by mail, 12c.**

TOBACCO STEMS. For fumigating. **5 lbs., 20c; 100 lbs., $1.75.**

TOBACCO DUST. One of the best remedies for green and black aphis, fleas, beetles, etc., also for insects in the ground. **Lb., 10c; by mail, 15c; 5 lbs., 30c; 10 lbs., 50c; 100 lbs., $3.50.**

X. L. ALL LIQUID INSECTICIDE. English Nicotine preparation, harmless to very delicate plants. Kills mealy bug, red spider and white fly. For Spraying only. **½ gal., $2.25; 1 gal., $4.00.**

KNIVES. Propagating. Ivory handle. **Each, $1.25; by mail, $1.30.**

Propagating. "The Vaughan," best of all. **Each, 75c; by mail, 80c.**

Budding and Propagating. Two blades, ivory handle. **Each, $1.25; by mail, $1.30.**

Pruning. Stag handle, English. **Each, $1.25; by mail, $1.30.**

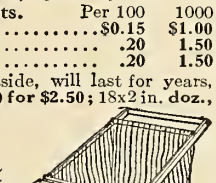
German Pruning. $1.00; by mail, $1.05.

LABELS, Wooden, for Pots.

	Per 100	1000
4 in., painted	$0.15	$1.00
5 in., painted	.20	1.50
Tree (wired) 3½ in.	.20	1.50

Cypress.—For use outside, will last for years, 16x1¼ in. **Doz., 35c; 100 for $2.50;** 18x2 in. **doz., 45c., 100 for $3.25.**

LAWN SWEEPER



The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. **Each, $16.00.**

LEAF MOLD. Per bbl., $2.50.

LEAF CART. A hand cart frame with a very light wood rack. Complete with truck. **$16.00.**

PEAT. For potting Orchids, etc... **Per bbl., $2.50**
Peat. For potting Azaleas..... **Per bbl., 2.00**

PLANT TUBS—Columbian. Made of the best pine lumber. Has twelve staves in tapered shape, held together by two steel wires. Natural varnish finish. Measurements are outside of tub. F. O. B. Chicago only.

11	by 11½	inches..... Each, $1.00;	4 for $3.80
14	by 15	inches..... Each, 1.50;	4 for 5.60
16¾	by 18	inches..... Each, 2.00;	4 for 7.50
19	by 21	inches..... Each, 2.50;	4 for 9.40
21	by 24	inches..... Each, 3.00;	4 for 11.00

Union Cypress. These tubs are made of 7/8-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No.			Each	4 for
1	11¾ in. high.... 12	in. diam.....	$1.00	$3.60
2	12¾ in. high.... 13	in. diam.....	1.25	4.50
3	14¾ in. high.... 13½	in. diam.....	1.65	6.00
4	15¾ in. high.... 15½	in. diam.....	2.00	7.50
5	18¾ in. high... 19	in. diam.....	3.00	11.00
6	19½ in. high.... 22	in. diam.....	3.75	13.00

Japanese Wooden Plant Tubs. Outside measurements, 13½ in. high x 14½ in. wide. Inside measurements, 10½ in. high x 12½ in. wide. Finish natural, **each, $1.00.**

Dark Oak Stain with willow green enameled hoops, **each, $1.25.**

PUTTY (Twemlow's Old English). Semi-liquid. To be used in same manner as Mastica. **Per gal., $2.00.**

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. **Each, $1.00.** Mailing weight, 1 lb.

POTS, PANS AND SAUCERS

We pack these carefully, but will not be responsible for breakages in transit.

FLOWER POTS (RED)

In.	Doz.	100	1000	In.	Doz.	100	
2½	18c	$0.85	$ 7.00	7	$1.25	$ 7.50	....
3	25c	1.25	10.00	8	1.50	11.00	....
4	40c	1.75	15.00	10	Each	.....	35c
5	50c	3.50	25.00	12	Each	.....	50c
6	75c	4.00	38.00				

BULB OR FERN PANS (RED)

	Each	Doz.		Each	Doz.
5 in.....	$0.08	$0.80	8 in...	$0.15	$1.50
6 in.....	.10	1.00	10 in....	.25	2.25
7 in.....	.12	1.25			

SAUCERS.—Fibre, waterproof and unbreakable.

	Each	Doz.		Each	Doz.
5 in.....	$0.15	$1.60	9 in.....	$0.28	$2.10
6 in.....	.18	1.75	10 in.....	.30	2.50
7 in.....	.20	1.90	12 in.....	.32	3.00
8 in.....	.25	2.00			

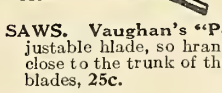
POTTING SOIL. This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. **Pk., 35c; bu., $1.00; bbl., $2.00.**

RAKES. Steel Bow Garden. Best, does not break in center; 12 teeth; **60c;** 14 teeth, **75c;** 16 teeth, **90c.**

Garden. 12 teeth, **50c;** 14 teeth, **60c;** 16 teeth, **75c.**

LAWN RAKES

Automatic Self-Cleaning, A backward motion of the operator clears all the teeth at once. **Each, 75c.**



Lawn Queen. Wire teeth, reversible head, 24 teeth; **each, 45c;** 36 teeth, **each, 75c.**

SAWS. Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. **Each, $1.75;** extra blades, **25c.**

SHEARS (Pruning)—Domestic, 8½ in. **each, 60c. California style,** 8½ in. **each, $1.35. Bright cast steel** with coil spring, **each, $1.25.**

SPRINKLERS. The Lenox. A splendid sprayer for in or outdoor plants, rose bushes, etc. **Each, 50c; by mail, 55c; extra bulbs, 15c each.**

Scollay's Rubber. Indispensable for floral work. **Large, $1.00; by mail, $1.10; Medium, 75c; by mail, 82c. Small, 60c; by mail, 65c.**

WATERING CANS. American. Heavy galvanized round can, two copper-faced roses, long spouts. **4 qt., $1.85; 6 qt., $2.15; 8 qt., $2.40; 10 qt., $2.65; 12 qt., $2.90.**

French. Oval; otherwise same make as above. **6 qt., $2.40; 8 qt., $2.65; 10 qt., $2.90; 12 qt., $3.15.**

SEP - 7 19

AUTUMN
- 1916 -

Four Good Peonies

La Grange (Red)

Triomphe De L'Exposition De Lille (Cerise)

Madame de Verneville (White)

M. Krelage (Dark Red)

Collection
~ 58 B ~

One Strong Root of each for $1.50
Prepaid for $1.75

NEW YORK **VAUGHAN'S SEED STORE** CHICAGO